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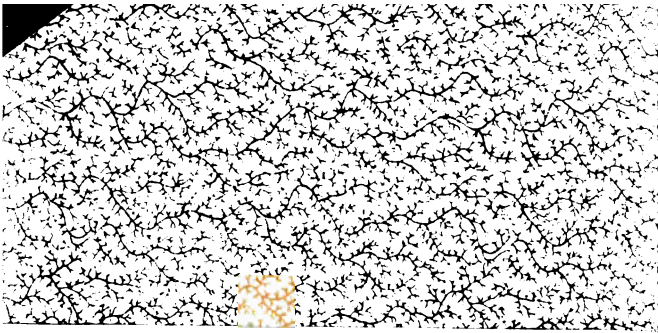
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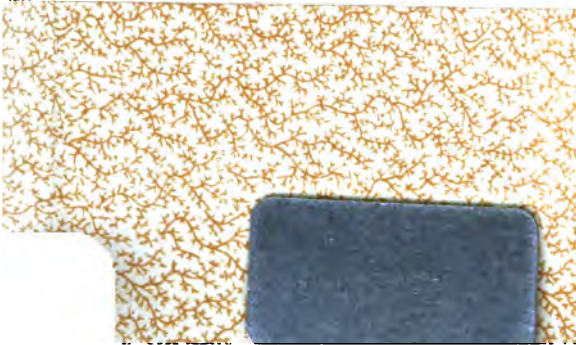
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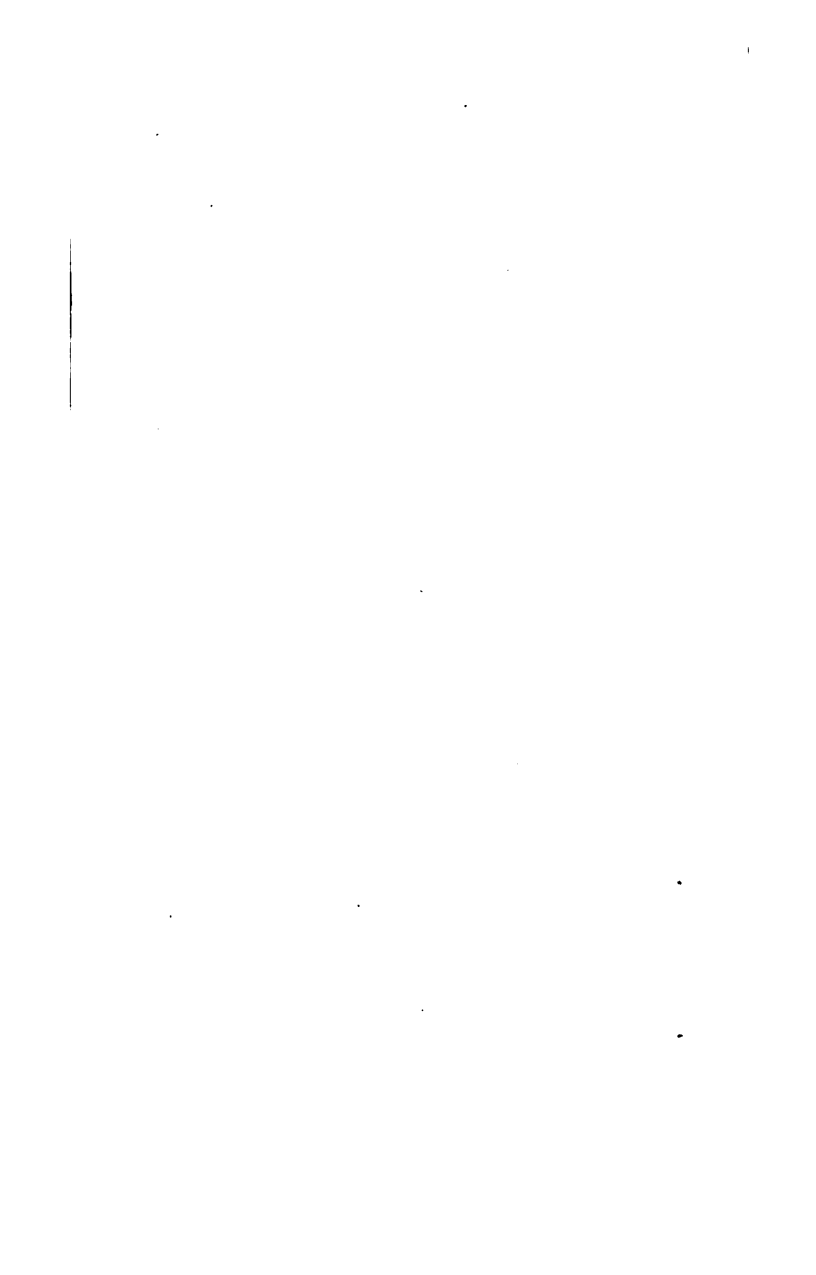
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T H E
Gentleman's Diary,
O R T H E
M A T H E M A T I C A L R E P O S I T O R Y ;
A n A L M A N A C K
F o r t h e Y E A R o f o u r L O R D 1804 :
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The golden Zones of Heaven: to some she gave
To weigh the Moment of Eternity
Of Time, and Space, and Fate's swift Hand,
And Will's quick Impulse.

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Company, at their Hall, LUDGATE-STREET. 1804.

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The EDITOR'S ADDRESS.

MORE than sixty years have, now elapsed since the publication of this little Annual Miscellany commenced: during the whole of which period it has met with a considerable share of Public Patronage, and been honoured with the correspondence of some of the most eminent scientific, and literary men: On the death of Mr. Thomas Plat (one of the original projectors), in 1780, the Reverend and Learned Mr. Charles Wildbore was appointed Editor: this Gentleman being a person of profound knowledge and erudition, it is no wonder that the Diary obtained increasing celebrity, and became more extensively useful, under his management. The death of Mr. Wildbore, which happened in October, 1802, cannot but be deeply lamented by all who were able to appreciate his worth and talents; and, particularly, by the ingenious and learned Contributors to the GENTLEMAN'S DIARY in its different departments.

It would ill become the present Editor to suffer his first annual compilation to appear, without embracing the opportunity to assure all those who honour him with their Communications, that he will endeavour, to the utmost of his abilities, to select, from the materials put into his hands, those which seem best adapted to elucidate or establish the point under discussion; such as are most likely to maintain the credit and usefulness of the Diary, to amuse and instruct the General Reader, and at the same time to establish or increase the reputation of the various Correspondents. He dare not presume that he shall equal his estimable predecessor in the judiciousness of his selection, and the accuracy of his judgement; but he is determined not to be inferior to him in point of candour and impartiality.

It was the Editor's intention to explain briefly his ideas as to the proper management of the respective departments of the Diary; and to state his opinion of the specific objects which ought to be attended to in each: he also meant to devote a few words to the encouragement of Young Beginners, whom he is solicitous to stimulate to exertion, and to whose juvenile productions he will always pay the most candid regard: but he finds he cannot indulge himself in expressing his sentiments in these respects without encroaching upon the pages he is desirous of filling with the contributions he has received. He would just beg leave to observe, that, with respect to New Questions, either Mathematical, Critical, or Philosophical, those will meet with the most early insertion which are accompanied with neat and accurate solutions: and, since he is persuaded much remains to be done in the branches of Mixed Mathematics, particularly *Mechanics*, *Hydrodynamics*, and *Astronomy*, he therefore hopes his Correspondents will continue to direct some part of their attention to those subjects.

The Editor returns his warmest acknowledgments for the numerous Contributions he has been favoured with: however anxious he felt to oblige his Readers, he found himself under the necessity of omitting some ingenious original pieces, which he hopes to lay before the Public another year.

* * * * * The Weather Column contains an abridged account of the
during the year 1802, as observed in the Metropolis.

JANUARY Hath. XXXI Days. | M ☉ Dec.

Lat Quarter	4	} Day {	9 h. 51 m. Night.		123° 5
New Moon	12		9 3 Night.		622 37
First Quarter	19		9 47 Night.		1121 57
Full Moon	26		8 58 Night.		1611 7
☉ enters 21st Day, at 4 M. Morning.					2140 6
					2618 56

1	A	Circumc. 1st Sufia aft. Christ.	9 a 11	3 m. 14	18	hazy.
2	M		10 23	8 57	19	flee
3	T		11 33	4 38	20	and
4	W	Days increased 10 min.	noon.	5 17	21	snow.
5	T		0 41	5 57	22	snow.
6	F	Epiphany. Old Christ. Day.	1 53	6 39	23	ther 311
7	S	[Twelfth Day.	3 5	7 23	24	ther. 27
8	A	1st Sun. after Ep. Lucian.	4 16	8 9	25	ther. 36
9	M	Plough Monday.	5 25	8 59	26	foggy.
10	T		6 29	9 52	27	fine.
11	W		7 42	10 46	28	fine.
12	T	Days increased 26 minutes.	2 45	11 41	29	ther. 26
13	F	Hil. Cam. T. beg. O. N. Y. D.	4 a 47	aft. 34	1	ther. 27
14	S	Oxford Term begins.	6 10	1 25	2	hazy.
15	A	2d Sunday after Epiphany.	7 33	2 15	3	ther. 27
16	M		8 56	3 02	4	ther. 19
17	T	[Prisca. Old Twelfth-D.	10 18	3 49	5	fine day
18	W	Qu. Charl. birth-day kept.	11 42	4 37	6	foggy.
19	T		noon.	5 27	7	cloudy.
20	F	Fabian. In 8d. of St. Hil. 1 ret.	1 8	6 20	8	rain.
21	S	Agnes.	2 35	7 17	9	high w.
22	A	3d Sun. after Ep. Vincent.	4 0	8 16	10	calm.
23	M	Hilary Term begins.	5 14	9 17	11	cloudy.
24	T		6 16	10 17	12	cloudy.
25	W	Conversion of St. Paul.	7 15	11 13	13	ther. 37
26	T	Moon eclip. vis. [in 5d. 2 ret.	8 rises.	noon.	F	hazy.
27	F	D. of Sufia. From St. Hil.	5 a 21	0 6	15	ther 461
28	S	Days increased 1 h. 8 m.	6 38	0 55	16	fine.
29	A	Septuagesima Sunday.	7 54	1 40	17	drizzly.
30	M	King Charles I. mart. 1649.	9 4	2 22	18	showers
31	T	Rain in Jan. 1802 0.23.	10 15	3 31	19	showers

☉ Rises	☉ Sets	☉ Cl. bef.	☉ D. Break	Sun East	Saturn S.	Jupiter S.	Mars S
8 5	3 55	3 33	6 0	4 41	5 m 34	7 m 19	11 a 32
8 1	3 59	5 51	5 58	43 5	14 6	59 11	27
7 56	4 4	8 0	54	46 4	56 6	40 11	22
7 51	4 9	9 53	49	49 4	30 6	22 11	27
7 44	4 16	11 30	44	53 4	8 6	2 11	22
7 37	4 23	12 47	38	58 3	47 5	42 11	2

FEBRUARY hath XXIX Days.

M D Dec 1 South.

1st Quarter	3	Day	11	9	Night.	11	17	21
New Moon	11	at	5	22	Morn'g.	6	15	53
First Quarter	18	at	6	40	Afternoon.	11	14	18
Full Moon	25	at	6	40	Afternoon.	16	12	38
☉ enters ♋	19th Day	at 6h.	46	M.	Afternoon.	21	10	52
☽ enters ♋	21	at	26	9		26	9	2

M. W. S. D.	Sundays, Holidays, Birth-Days, Terms, &c.	Moon R. & S.	Moon South	W. A.	Weath. 1802.
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1	W	In 8 days of Purif. 4 ret.	11 a 27	3 m 43	20	lit. wet.		
2	T	Purific. B. V. M. of Cand. day.	morn.	4	25	21	wind	
3	F	Ep. Blas. Onmer. of Pur. 3 re.	0	39	5	8	22	rainy.
4	S		1	51	5	54	23	h. wind
5	A	Sexagesima Sunday. Agatha.	3	13	6	42	24	foggy.
6	M		4	7	7	33	25	lit. wet.
7	T		5	5	8	27	26	her. 21
8	W		5	51	9	22	27	ther. 33
9	T	In 8 days of Purif. 4 ret.	6	25	10	16	28	ther. 37
10	F	Days increased 2 h.	6	50	11	9	29	cloudy.
11	S	Sun eclipsed, visible.	lots.	aft.	1	N	flect.	
12	A	Quinquagesima or 9th to Sun.	6 a 33	6	51	1	foggy.	
13	M	Shrove Term ends.	7	57	1	40	2	snow.
14	T	Shrove Tues. Val. O. Can. d.	9	21	2	29	3	cloudy.
15	W	With Wednes. Lent begins.	10	50	3	20	4	hazy.
16	T	Days 10 hours long.	morn.	4	13	5	rain.	
17	F	Camp. Term divides h.	0	18	5	9	6	cloudy.
18	S		1	45	6	8	7	fine.
19	A	First Sunday in Lent.	3	3	7	8	8	ther. 39
20	M		4	8	8	8	9	ther. 42
21	T		4	58	9	5	10	ther. 48
22	W	Ember Week.	5	31	9	58	11	rain.
23	F		5	55	10	48	12	ther. 55
24	S	St. Matthias. B. of Camb. b	6	15	11	34	13	rain.
25	A	2nd Sunday in Lent.	6 a 49	0	17	15	foggy.	
26	M		7	59	0	59	16	fine.
27	T	Days increased 3 hours.	19	10	1	40	17	th. 46½
28	W	Rain in Feb. 1802; 1, 62.	10	22	2	21	18	

D.	☉ Rises	☉ Sets	☉ Cl. be.	☉ D. Brea.	☉ East	Sat. S.	Jup. S.	Mars S.	
1	7 25	4 35	13 52	5 81	5	4	3 m 21	5 m 19	11 m 2
6	7 18	4 42	14 25	5 23	9	13	0	5	10 58
11	7 11	4 51	14 39	5 15	15	12	40	4	10 54
16	7 05	5 00	14 31	5 7	21	18	20	4	10 50
21	6 50	5 10	14 5	4 59	27	1	59	4	10 47
26	6 40	5 20	13 23	4 48	33	1	30	2	10 44

MARCH hath XXXI Days.

Lat Quarter	4	} Day {	3 h. 51 m.	Afternoon.
New Moon	11		10 51	Night.
First Quarter	18		1 42	Afternoon.
Full Moon	26		5 21	Morning.

☉ enters ♍ 20th Day, at 7 H. 3 M. Night.

1	T	David.	11 a 35	3 m	4	1
2	F	Chad.	morn.	3	48	2
3	S	Days 11 h. long.	0	47	4	96 2
4	G	3d Sunday in Lent.	1	55	5	26 2
5	M		2	58	6	18 2
6	T		3	45	7	11 2
7	W	Perpetua,	4	24	8	5 2
8	T		4	54	8	59 2
9	F		5	16	9	51 2
10	S	Days increased 3 h. 48 m.	5	33	10	42 2
11	G	4th S. in Lent. Mid. L. S.	6	44	11	34 N
12	M	Gregory, M.	6 a 58	aft.	23	
13	T		8	30	1	15
14	W		10	11	2	9
15	T		11	32	3	6
16	F		morn.	4	6	
17	S	St. Patrick.	0	56	5	8
18	G	5th S. in Lent. Edw. K. W.S.	2	17	6	9
19	M		3	4	7	7
20	T	Equinox. Sir I. Newton died	0	42	8	1
21	W	Benedict. [1727.	4	7	8	51
22	T		4	28	9	38
23	F	Camb. Term ends.	4	49	10	21
24	S	Oxford Term ends.	4	58	11	3
25	G	Palm Sun. Ann. or Lady-Day.	5	11	11	44
26	M		D rises.	morn.	F	
27	T	Rain in March 1802, 0, 43.	8 a 16	0	25	16
28	W		9	27	1	8
29	T	Maunday Thursday.	10	38	1	52
30	F	Good Friday, or Crucifixion.	11	49	2	38
31	S	Days 12 h. 54 m. long.	morn.	3	27	26
D ☉ Rises ☉ Sets ☌ Cl. bef. ☉ D. Break ☉ East Saturn S. Jupiter						
1	6	32	5	28	12	35
6	6	23	5	37	11	32
11	6	14	5	46	10	16
16	6	4	5	56	8	52
21	5	54	6	7	22	
26	5	43	6	17	5	40
1	5	36	5	41	5	36
6	42	1	3	3		
11	48	0	43	2		
16	55	0	22	2		
21	1	12	2	1	2	
26	7	11	41	1		

A P R I L hath XXX Days.

M ☉ Decl.
D North.

1st Quarter	3	} Day {	9 h. 24 m.	Morning.	1	40	35	
New Moon	10		8	16	Morning.	6	6	29
1st Quarter	16		11	35	Night.	11	8	21
Full Moon	24		10	2	Night.	16	10	9
☽ enters 8 20th Day, at 7 H. 40 M. Mornings					21	11	53	
					26	13	32	

E	Easter Day.	om 53	4 m 18	21	hazy.
M	Easter Monday.	1 46	5 10	22	hazy.
T	East. Tu. Rich. Bp. of Chich.	2 32	6 3	23	ther. 57
W	Ambrose.	3 1	6 55	24	ther. 57½
T		3 25	7 46	25	hazy.
F	Old Stile Lady Day.	3 44	8 36	26	clear.
S		4 1	9 26	27	fine.
G	1st Su. aft. Easter. Low Sun.	4 17	10 16	28	rain.
M		4 32	11 7	29	ther. 63
T		☽ sets. aft.		1	N cloudy.
W	Ox. and Camb. Terms begin.	9 a 8	0 59	1	mi. wind
T		10 39	2 0	2	rain.
F		11 59	3 3	3	rain.
S	Days 13 h. 48 min. long.	morn.		4 7	ther. 55
G	2d Sunday after Easter.	1 3	5 8	5	clear.
M	In 15 Days of Easter 1 return.	1 48	6 5	6	cloudy.
T		2 19	6 57	7	cloudy.
W	Easter Term begins.	2 41	7 44	8	rain.
T	Alphege.	2 59	8 28	9	ther. 63½
F	Days increased 6 h. 30 min.	3 12	9 10	10	cloudy.
S		3 25	9 51	11	fine.
G	3d Sunday after Easter.	3 38	10 32	12	clear.
M	St. George. 3 w. af. East. 2 ret.	3 51	11 13	13	pleasant
T		☽ rises		11 57	F weather
W	St. Mark. Prfs. Mary born.	8 a 35	morn.		15 fine.
T		9 44	0 42	16	clear.
F	Day 14 h. 36 m. long.	10 50	1 30	17	rain.
S	Rain in April, 1802, 1.08.	11 46	2 20	18	ther. 54
G	4th Sunday af. East.	morn.		3 12	29 rain.
M	1 month after Easter 3 ret.	0 33	4 42	20	fine.

☉	Rises	☉	fets	☉	Cl. bef.	☉	D. Break	☉	East	Saturn S.	Jupiter S.	Mars S
5	31	6	29	3	57	3	30	6	15	11 a 17	1 m 26	10 m 21
5	23	6	38	2	27		19		21	10 58	1 2	10 1
5	12	6	48	1	3		3		27	10 38	0 41	10 1
5	2	6	58	aft. 13		2	50		33	10 18	0 21	10 1
4	53	7	7	1	23		39		39	9 59	0 0	10
4	44	7	15	2	20		23		44	9 39	11 a 38	10

MAY hath XXXI Days.										M	Decl.	
										D	North.	
Last Quarter	2	} Day	11 h.	7 m.	Night.					2	45	6
New Moon	9		4	2	Afternoon.					6	16	33
First Quarter	16		11	19	Morning.					11	17	54
Full Moon	24		1	51	Afternoon.					16	19	7
☉ enters II 21st Day, at 8 H. 9 M. Morning.										21	20	12
										26	21	9

1	T	St. Philip and St. James.	1 m	7	4 m	55	21	ther.	61
2	W	Rain in May, 1802, 1.28.	1	33	5	45	22	fine.	
3	T	Invention of the Cross.	1	54	6	34	23	cloudy.	
4	F	Dr. Barrow died 1677, aged 46.	2	11	7	22	24	ther.	55
5	S	[St. J. Evan. ante Port. Lat.	2	26	8	9	25	fine.	
6	G	5th Sun. afr. East. Rogat. S.	2	40	8	58	26	cloudy.	
7	M	Duch. of York b. 5 Weeks af.	2	56	9	49	27	clear.	
8	T	[Easter 4 return.	3	13	10	44	28	ther	56½
9	W		D sets.	11	44	N		fine.	
10	T	Ascen. Holy Thursday.	9 a	35	aft.	47	1	hazy.	
11	F	On morrow of Asc. 5 return.	10	48	1	52	2	fine.	
12	S		11	43	2	56	3	cloudy.	
13	G	Sunday after Ascension.	morn.	3	57	4		rain.	
14	M	Easter Term ends.	0	20	4	53	5	snow.	
15	T		0	45	5	43	6	rain.	
16	W	Day 15 h. 38 m. long.	1	6	6	29	7	ther	42½
17	T	Oxf. L. e Prs. of Wales b. 1768.	1	24	7	12	8	snow	37
18	F		1	36	7	53	9	ther.	37
19	S	Qu. Charl. bir.-day. Dunstan.	1	49	8	33	10	rain.	
20	G	Whit Sunday.	2	1	9	14	11	cloudy,	
21	M	Whit Monday.	2	14	9	57	12	ther.	72
22	T	Whit Tue day. Prs. Eliz. b.	2	30	10	41	13	fine.	
23	W	Ember Week.	2	48	11	28	14	windy.	
24	T	Cambr. Term. div. noon.	D rises.	morn.	F			ther.	67
25	F		9 a	35	0	17	16	ther.	69
26	S	Augustin, 1st Abp. of Cant.	10	30	1	9	17	ther	75½
27	G	Trinity Sun. Vener. Bede.	11	7	2	0	18	hazy.	
28	M	On morrow of Hol. Tr. 1 ret.	11	35	2	51	19	wet.	
29	T	K. Cha. II. bo. and rest.	11	58	3	41	20	rain.	
30	W	Oxford Term begins.	morn.	4	30	21		much	
31	T	Corpus Christi.	0	16	5	17	22	rain.	

	☉ Rises	☉ Sets	Cl. aft.	☉ D. Break	☉ East	Saturn S.	Jupiter S.	Mars S.
1	4 35	7 25	3 5	2 3	6 50	9 a 19	11 a 17	9 m 55
6	4 26	7 34	3 37	1 50	55	8 59	10 55	9 50
11	4 18	7 42	3 54	28	59	8 39	10 33	9 45
16	4 11	7 49	3 57	4	7 3	8 19	10 11	9 39
21	4 4	7 56	3 46	0 27	7 7	7 59	9 50	9 33
26	3 57	8 3	3 22	Nonight	11	7 39	9 29	9 27

U N E hath XXX Days.

M. Decl.
D. North.

Quarter 1	} Day at {	8 h. 55 m.	Morning.
Moon 7		11 7	Night.
Quarter 15		0 53	Morning.
Moon 23		6 22	Morning.
Quarter 30		3 34	Afternoon.
enters 23 21st Day, at 4 H. 50 M.			Afternoon.

1	22° 4'
6	22 46
11	23 6
16	23 22
21	23 28
26	23 23

Nicon. ede. Trin. Term beg.
Day 16 h. 17 m. long.
1st Sun. af. Tr. [ol H. Tr. 2 ret
K. Geo. III. b. 1738. In 8 d.
Boniface. D. ol Cum. b. 1771.

om 30	6 m 3	23	gent. ra
0 44	6 49	24	cloudy.
0 59	7 37	25	ther. 69
1 16	8 29	26	thunder
1 36	9 24	27	litt. rain.
2 4	10 24	28	showers
sets. 11 28 N mu. ra.			
9 a 25	aft. 33	1	thunder

2d Sunday after Trinity.
St. Barnabas. In 15 d. of Holy
[Trin. 3 ret.

10 12	1 37	2	gent. ra.
10 44	2 36	3	loma ra.
11 7	3 30	4	ther. 65
11 24	4 19	5	loma ra.
11 38	5 4	6	cloudy.
11 50	5 46	7	cloudy.
morn.	6 27	8	fine.

3d Sun. aft. Trin. St. Alban
In 3 Weeks, H. Trin. 4 ret.
[k. West Saxons.
Trin. Term ends. Tra. Edw.
Longest Day, 16 ho. 34 m. lo.

0 2	7 8	9	th. 73½
0 16	7 50	10	cloudy.
0 31	8 34	11	fine.
0 40	9 20	12	th. 68½
1 12	10 8	13	fine.
1 43	10 59	14	hazy.
2 25	11 51	15	cloudy.
rises. morn. F fine.			

4th Su. aft. Tr. St. John Bap.
[Midsummer-day.

9 a 35	0 42	17	fine.
9 58	1 33	18	fine.
10 17	2 22	19	ther. 69

Rain in June 1802, 2, 01.

10 33	3 10	20	gent. ra.
10 46	3 56	21	ther. 65
11 0	4 41	22	showers
11 15	5 28	23	cloudy.

St. Peter.

Day decreased 4 minutes.

Time	☉ Sets	☌ Cl. aft.	☉ D. Break.	☉ East	Saturn S.	Jupiter S.	Mars S.
52	8 8	2 37	No	7 16	7 a 14	9 a 3	9 m 19
48	8 12	1 48	real	7 18	6 54	8 41	9 12
45	8 15	0 50	Night	7 19	6 34	8 19	9 5
44	8 16	0 11	in	7 20	6 14	7 58	8 59
43	8 17	1 15	Bri-	7 21	5 53	7 38	8 58
44	8 16	2 19	tain,	7 20	5 33	7 17	8 47

JULY hath XXXI Days.

New Moon 7 } Day { 6 h. 44 m. Morning.
 First Quarter 14 } at { 4 28 Afternoon.
 Full Moon 22 } at { 5 25 Afternoon.
 Last Quarter 29 } at { 8 27 Night.
 ☉ enters ♏ 23d Day, at 3 H. 22 M. Morning.

1	G	5th Sunday after Trinity.	11	a	34	6	m	10
2	M	Vif. of B. V. Mary.	11	58	7	8		
3	T	Cambridge Com. Dog-days			8	4		
4	W	Fr. of St. Martin. [begin.	0	28	9	3		
5	T		1	14	10	8		
6	F	Camb. Term ends. Old Mid-	2	20	11	12		
7	S	Thomas à Becker. [summer-d.	3	sets.	aft.	14		
8	G	6th Sunday after Trinity.	9	a	4	1	11	
9	M	Oxford Act.	9	22	2	3		
10	T		9	36	2	51		
11	W		9	49	3	35		
12	T		10	3	4	17		
13	F		10	17	4	59		
14	S	Oxford Term ends.	10	31	5	41		
15	G	7th Sun. at Trin. Swithin.	10	48	6	24		
16	M	Days decreased 32 minutes.	11	7	7	9		
17	T		11	37	7	57		
18	W				8	47		
19	T		0	14	9	39		
20	F	Margaret.	1	0	10	31		
21	S		1	59	11	23		
22	G	8th Su. aft. Trin. Magdalen.	1	rites	morn.			
23	M		8	a	23	0	1	
24	T		8	36	1	3		
25	W	St. James.	8	51	1	5		
26	T	Anne.	9	6	2	36		
27	F	Day 15 h. 34 m. long.	9	21	3	23		
28	S		9	38	4	11		
29	G	9th Sunday after Trinity.	10	0	5	1		
30	M		10	29	5	55		
31	T	Rain in July 1802, 3.04.	11	5	0	52		

D ☉ Rises ☉ Sets ☌ Cl. bet ☉ D. Break ☉ East ☌ Saturn S. Jup

I	3	46	8	14	3	19	No	7	19	5	a	14	6
6	3	49	8	11	4	14	real		18	4		54	6
11	3	53	8	7	5	0	Night		15	4		35	6
16	3	59	8	1	5	35	& in		12	4		16	5
21	4	5	7	55	5	37	Bri-		9	3		57	5
26	4	12	7	43	6	5	tan.		5	3		38	5

AUGUST hath XXXI Days.

M Decl.
D North.

New Moon	5	} Day at	3 h. 59 m.	Afternoon.	11	180	3
First Quarter	13		9 37	Morning.	6	16	43
Full Moon	21		5 3	Morning.	11	15	17
Last Quarter	28		1 13	Morning.	16	13	45

☉ enters ♍ 23^d Day, at 11^h. 12^m. Morning.

21 12 8
26 10 26

1	W	Lammas-Day.	morn.	7	m	54	25	A warm
2	T	Day 15 h. 18 m. long.	0 0	8	56	26	and fine	
3	F		1 10	9	58	27	month.	
4	S		2 20	10	56	28	ther. 76	
5	G	10th Sunday after Trinity.	D fets.	11	51	N	ther. 79	
6	M	Transfiguration.	7 a	44	aft.	41	1 ther. 75	
7	T	Prs. Amelia b. Name of Jesus.	7 58	1	27	2	cloudy.	
8	W		8 10	2	10	3	ther. 75	
9	T		8 23	2	53	4	rain.	
10	F	Lawrence.	8 37	3	35	5	ther. 78	
11	S	Dr. Brunsw. bo. Dog-d, end.	8 54	4	19	6	rain.	
12	G	11 S. af. Tr. Pr. of Wales b.	9 13	5	4	7	fine.	
13	M	Old Lammas Day.	9 38	5	50	8	hazy.	
14	T		10 11	6	40	9	hazy.	
15	W	Assumption B. V. M.	10 57	7	31	10	ther. 74	
16	T	Duke of York born 1763.	11 54	8	23	11	ther. 73	
17	F		morn.	9	15	12	ther. 76	
18	S		1 3	10	7	13	ther. 79	
19	G	12th Sunday after Trinity.	2 15	10	58	14	wet.	
20	M		3 38	11	47	15	cloudy.	
21	T	Duke of Clarence born 1765.	D rites.	morn.	F	ther.	72	
22	W		7 a	16	0	35	17 cloudy.	
23	T		7 31	1	22	18	ther. 77	
24	F	St. Bartholomew.	7 48	2	11	19	rain.	
25	S		8 8	3	2	20	ther. 62	
26	G	13th Sunday after Trinity.	8 36	3	55	21	ther. 50	
27	M		9 11	4	52	22	ther. 6.	
28	T	St. Augustine.	10 1	5	52	23	ther. 7.	
29	W	Beheading of St. John Bapt.	11 13	6	54	24	ther. 7.	
30	T	Rain in August, 1803, 0.56.	morn.	7	55	25	ther. 7.	
31	F	Days decreas'd 3 hours.	0 26	8	53	26	ther. 6	

D	R	Sets	Cl. bef.	D. Break	East	Saturn S.	Jupiter S.	Mars
1	4	20	7 40	5 55	1 23	6 59	3 a 12	58 2 8 m
6	4	29	7 31	5 31	1 43	55 2	59 4 44	8
11	4	37	7 23	4 52	2 11	50 2	42 4 27	7 5
16	4	46	7 14	3 58	19	45 2	26 4 11	7 5
21	4	55	7 5	2 51	35	39 2	10 3 55	7 4
26	4	5	6 55	1 33	50	33 2	53 3 39	7 4

SEPTEMBER hath XXX 1766. V. Dec. North.

New Moon 4	Day { 3 h. 37 m. Morning.	7 30 17
First Quarter 12	{ 3 55 Morning.	6 6 27
Full Moon 19	at { 3 31 Afternoon.	18 4 31
Last Quarter 26	{ 7 22 Morning.	16 2 38
☉ enters ♈ 23d Day, at 6 H. 47 M.		21 0 42
		26 1 15

1 S	Giles	1 m 40	9 m 48	27 A fine
2 G	14th Su. af. Tr. Lond. burnt	2 56	10 39	28 pleasant
3 M	[1666. O. S.	4 24	11 26	29 month.
4 T	Rain in Sept. 1802, 0.73.	D sets.	aft. 10	N ther. 71
5 W		6 a 38	0 54	1 ditto.
6 T		6 52	1 37	2 showe.s.
7 F	Enurchus.	7 6	2 20	3 ther. 62
8 S	Nativity of the B. V. Mary.	7 25	3 5	4 hazy.
9 G	15th Sunday after Trinity.	7 49	3 51	5 cloudy.
10 M		8 19	4 40	6 ther. 52
11 T	Day 12 h. 50 m. long.	8 58	5 30	7 ther. 60
12 W		9 49	6 21	8 ther. 59
13 T		10 53	7 13	9 ther. 64
14 F	Holy Cross.	morn.	8 5	10 ditto.
15 S		0 5	8 55	11 ther. 69
16 G	16th Sunday after Trinity.	1 23	9 45	12 ther. 70
17 M	Lambert.	2 44	10 33	13 ther. 68
18 T		4 6	11 22	14 ther. 69
19 W	Ember Week.	D rises.	morn.	F ditto.
20 T		6 a 2	0 11	16 ther. 67
21 F	St. Matthew.	6 24	1 2	17 foggy.
22 S	K. Geo. III. crowned 1761.	6 46	1 57	18 hazy.
23 G	17th Su. af. Tr. Autumnal Eq.	7 22	2 54	19 ther. 66
24 M		8 7	3 55	20 ther. 65
25 T		9 7	4 57	21 ther. 64
26 W	Cyprian. Old Holy Rood.	10 19	5 59	22 ther. 61
27 T		11 37	6 58	23 cloudy.
28 F		morn.	7 53	24 ther. 58
29 S	St. Mich. Ds. Wirt. b. 1766.	0 59	8 44	25 hazy.
30 G	18th Sun. af. Trin. Jerome.	2 18	9 31	26 ther. 63

D	☉	Rises	☉	Sets	☉	Cl. aft.	☉	D. Break	☉	East	Saturn S.	Jupiter S.	Mars S.	
1	5	16	6	44	0	12	3	7	6	26	1	24	3	7 m 37
6	5	26	6	34	1	48		21		20	1	17	3	7 32
11	5	35	6	25	3	29		34		14	1	1	2	7 27
16	5	45	6	15	5	14		45		8	0	45	2	7 22
21	5	55	6	5	7	0		56		2	0	30	2	7 17
26	5		5	55	8	41	4	6	5	55	0	14	2	7

CTOBER hath XXXI. Days.

M	☉	Decl.
D		South.
1	3° 12'	
6	5 9	
11	7 3	
16	8 55	
21	10 44	
26	12 29	

Moon 3 } Day { 5 h. 57 m. Afternoon.
 Quarter 11 } at { 10 18 Night.
 Moon 19 } at { 1 17 Morning.
 Quarter 25 } at { 4 10 Afternoon.
 enters m 23d Day, at 2 H. 48 M. Afternoon.

Remigius, Bp.	3 m 35	10 m 16	27 fine. 62
Days decreased 5 h. 12 m.	4 50	10 59	28 hazy.
	D fts. 11	42	N showers
	5. a 21	aft. 25	1 windy.
Faith, V. M.	5 40	1 9	2 fine.
19th Sunday after Trinity.	6 1	1 55	3 hazy.
	6 29	2 42	4 fine. 59
	7 6	3 32	5 gent. ra.
St. Denys.	7 53	4 22	6 ditto.
Oxf. & Cam. Terms begin.	8 50	5 13	7 cloudy.
Old Michaelmas-day.	9 57	6 4	8 mu. ra.
	11 10	6 53	9 rainy.
Trans. K. Ed. Conf.	morn.	7 42	10 hazy.
20th Sunday after Trinity.	0 27	8. 30	11 fine.
	1 47	9 17	12 fine. 54
	3 8	10 6	13 hazy.
Escheldreda.	4 31	10 56	14 fine.
St. Luke, Evang.	5 59	11 50	15 fine. 55
	D rises.	morn.	F some ra
	5 a 27	0 47	17 ditto.
21st Sunday after Trinity.	6 9	1 48	18 ditto.
	7 5	2 52	19 cloudy.
	8 15	3 56	20 windy.
	9 35	4 58	21 cloudy.
K. Geo. III. Ac. Crispin.	10 56	5 55	22 gent. ra.
K. Geo. III. Procl. 1760.	morn.	6 48	23 fine. 59
	0 15	7 36	24 some ra.
22d S. af. Tr. St. Simon and	1 32	8 21	25 cloudy.
[St. Jude.	2 46	9 4	26 cloudy.
Rain in Oct. 1802, 1, 77.	3 58	9 46	27 foggy.
Day 9 h. 36 m. long.	5 9	10 28	28 rain.

lifes	☉	Sets	Clair.	☉	D. Break	☉	East	Saturn	S.	Jupiter	S.	Mars	S.
15	5	43	15	28	4	19	5	49	11 m 59	1 a 54	7 m 6		
23	5	35	11	51		30		43	11 43	1 40	6 58		
34	5	26	13	18		40		37	11 27	1 26	6 5		
44	5	16	14	21		50		31	11 11	1 11	6 42		
54	5	6	15	16	5	0		25	10 54	1 56	6 34		
2	4	57	15	54		9		19	10 37	0 42	6 26		

NOVEMBER hath XXX Days.

M. Dec
D. South

New Moon	2	} Day at {	10 h. 50 m.	Morning.	1	14	28	
First Quarter	10		3	19	Afternoon.	6	16	2
Full Moon	17		11	1	Morning.	11	17	28
Last Quarter	24		4	21	Morning.	16	18	4
☉ enters ♏ 22d Day. at 11 H. 5 M. Morning.								21 19 58
								26 20 58

1	T	All Saints.	6	10	19	11	01	11	29	pleasant
2	F	D. Kent bo. 1767. All Souls.	D	sets.	11	55	N	for the		
3	S	Prs. Soph. bo. 1777. On m. All	4	2	33	aft.	42	1	season	
4	G	23d S. af. T. K. A. V. 1. 1. Souls & r.	5	1	9	31	2	therm		
5	M	Powder Plot, O. S. 1605.	5	51	2	21	3	never		
6	T	Leonard. Mich. T. beg.	6	45	3	11	4	lower		
7	W		7	49	4	1	5	than		
8	T	Prs. Aug. Sophia bo. 1768.	9	10	4	50	6	34 deg		
9	F	Lord Mayor's Day at Lond.	10	13	5	37	7	but		
10	S		11	28	6	23	8	some-		
11	G	24th S. af. Trin. St. Martin.	morn.	7	9	9	9	times		
12	M	On mor. Mart. 2 ret. Ca. T.	0	45	7	55	10	higher		
13	T	Britias. [div. at mid.	2	4	8	42	11	change		
14	W		3	26	9	33	12	hazy.		
15	T	Machutus.	4	52	10	27	13	cloudy		
16	F	Rain in Nov. 1802. 1, 09.	6	22	11	27	14	fine.		
17	S	Hugh Bp. of Lincoln.	D	rises.	morn.	F	fine.			
18	G	25th Sunday after Trinity.	4	2	49	0	36	16	fair.	
19	M	In 8 days of St. Mart. 3 ret.	5	55	1	36	17	drizzly		
20	T	Edm. K. & Mary.	7	12	2	41	18	fine.		
21	W		8	34	3	41	19	fine.		
22	T	Cecilia.	9	5	4	38	20	wind.		
23	F	Clement. Old St. Martin.	11	16	5	29	21	rainy.		
24	S	[Cath. morn.	6	15	22	cloudy.				
25	G	26th S. af. Tr. D. of Glo. b.	0	32	6	59	23	fine.		
26	M	In 15 d. of St. Mart. 4 ret.	1	45	7	41	24	wet.		
27	T		3	56	8	23	25	hazy.		
28	W	Michaelmas Term ends.	4	7	9	1	26	rain.		
29	F	Day 8 h. 8 m. long.	5	17	9	48	27	hazy.		
30	F	St. Andrew Apost. & Mart.	6	27	10	31	28	hazy.		

☉ Rises ☉ Sets ☉ Alt. ☉ D. Break ☉ East Saturn S. Jupiter S. Mars S

1	7	13	4	47	16	14	5	17	57	13	10	m	16	0	2	24	0	m	15
6	7	23	4	37	16	19		24		7	9	58	0	9	6				
11	7	31	4	29	15	45		31		2	9	39	11	m	53	5	4		
16	7	39	4	21	14	59		37	4	57	9	22	11	36	5	3			
21	7	46	4	14	13	54		43		53	9	3	11	20	5	2			
26	7	52	4	8	12	25		49		49	8	44	11						

DECEMBER hath XXXI Days.

M. Decl.
D. South.

New Moon		5 h. 35 m.	Morning.	1	21° 51'
First Quarter 10	Day	5 45	Morning.	6	22 32
Full Moon 16	at	9 18	Night.	11	23 2
Last Quarter 23		8 1	Night.	16	23 28
☉ enters ♍ 21st Day, 20 41 H. 27 M. Night.				21	23 28
				26	23 23

1	S	Days decreased 8 h. 30 m.	7 m 35	11 m 22	20	Very mild
2	G	Advent Sunday.	D sets.	aft. 11	N	month,
3	M		4 a 34	1 1	1	ther. at
4	T	Rain in Dec. 1802, 1.28.	5 36	1 51	2	freez.
5	W		6 42	2 40	3	point
6	T	Nicholas.	7 53	3 27	4	this day
7	F		9 6	4 12	5	only.
8	S	Conception of V. Mary.	10 21	4 56	6	some
9	G	3d Sunday in Advent.	11 37	5 40	7	rain.
10	M		morn.	6 25	8	windy.
11	T		0 54	7 12	9	ther. 45
12	W		2 14	8 2	10	rain.
13	T	Lucy.	3 38	8 57	11	hazy
14	F		5 7	9 56	12	clear.
15	S		6 32	11 1	13	rain.
16	G	3d S. in Ad. O. Sap. C. T. ends.	D rises.	morn.	F	wind.
17	M	Oxford Term ends.	4 a 29	0 7	15	foggy.
18	T		5 55	1 10	16	ther. 41
19	W	Ember Week.	7 19	2 12	17	ther. 47
20	T		8 42	3 6	18	ther. 49
21	F	St. Thomas Shortest Day,	10 2	3 56	19	ther. 47
22	S	[7 h. 44 m.]	11 19	4 43	20	wet.
23	G	4th Sunday in Advent.	morn.	5 26	21	ther. 42
24	M	[born 1642.]	0 32	6 8	22	cloudy.
25	T	Christm. Day. Sir I. Newton.	1 44	6 50	23	ther. 37.
26	W	St. Stephen, Protomartyr.	2 55	7 33	24	rain.
27	T	St. John, Apost. and Evang.	4 5	8 18	25	ther. 46
28	F	Holy Innocents.	5 13	9 52	26	hazy.
29	S		6 17	9 54	27	fine.
30	G	Sunday after Christmas.	7 11	10 44	28	ther. 48
31	M	Silvester.	7 52	11 34	29	ther. 49

D. ☉ Rises ☉ Sets ☿ Cl. att. ☿ D. Break ☉ East Saturn S. Jupiter S. Mars S.

1	7	51	4	2	10	39	5	54	4	45	8	m 25	10	m 46	4	m 53
6	8	2	3	58	8	37		56		43	8	4	10	29	4	33
11	8	5	3	55	6	22		58		41	7	43	10	12	4	13
16	8	7	3	53	3	59	6	0		40	7	22	9	54	3	53
21	8	8	3	52	1	30		1		39	7	1	9	36	3	33
26	8	7	3	51	1	0		0		40	6	41	9	18	3	12

There will be five eclipses this year; two of the Moon and three of the Sun; but only one of each luminary will be visible in these parts.

1. JANUARY 26th. The Moon will be eclipsed, and visible here. The eclipse begins at 57½ m. past 7 in the evening; ecliptic opposition at 58½ m. past 8; middle of the eclipse at 7 m. past 9; and end at 16½ m. past 10 the same evening. The digits eclipsed will be 4° 44' on D's South limb.

2. FEBRUARY 11th, there will be a visible eclipse of the Sun, beginning at 27 m. past 10 in the morning: the greatest obscuration will be at 39 m. past 12; and the end at 55 m. past noon. Digits eclipsed 8° 36'. The moon will touch the ☉'s disk at 122° from his vertex on the right hand.

3. JULY 22d, the Moon will be eclipsed, but invisible here; the eclipse beginning at 51 m. past 3 in the afternoon, and ending 10 m. past 7.

4. AUGUST 5th, the Sun will be eclipsed, but invisible here. It will be generally eclipsed on the Meridian, at 4h. 24 m. P.M. in Long. 66½ W. and Lat. 38° S.

5. DECEMBER 31st, the Sun will again be eclipsed, but invisible here.

VENUS will be an evening star till the 4th of August, then a morning star for the rest of the year. On July 9th, at 53 m. past 5 in the afternoon, this beautiful planet will make a near appulse to the Moon.

JUPITER will be a morning star till the 21st of April; then an evening star till the 3th of November; then a morning star to the year's end.

ANSWERS to the QUESTIONS critical and philosophical

CCXXXI. By Mr. A. Glendenning, Yarmouth.

The Apostle denominated Nathanael by St. John is manifestly the same that is called *Bartholomew* by the other Evangelists. Nathanael (*the gift of God*) was, I presume, the name given by his parents; and Bartholomew (*the son of a water-drawer*) appears to be an appellation conferred from the occupation of a parent.

M^{rs}. F. Cairns, T. Cour, J. Fitch, B. Kemp, Ruffin, J. Sawage, and Rev. H. Spooner, entertain nearly the same opinion: but Mr. J. Wyrill adduces some ingenious arguments to shew the probability that Nathanael was the bridegroom at the marriage in Cana of Galilee; and Mr. J. Madox thinks that Nathanael was no other than the son of Ishai or Jesse, alluded to in the 1 Chron. ch. ii. But we know not how this can be reconciled with chronology.

CCXXXII. By Mr. B. Kemp, of Farnfield.

There has been much debate among interpreters concerning this text (Mat. xxii. v. 9), and it certainly is attended with difficulties; but these I think will vanish if we admit either the ancient Greek, or the old Latin versions, which render the text thus: "A young man dwelleth with a virgin, and thy sons shall dwell with her." That is, thy people shall dwell together within thy walls as lovingly, and as contentedly, as a young man with the virgin to whom he is just espoused.

16 QUEST. Critic. and Philos. answered, 1804.

The ingenious Proposer conceives that the passage should be translated thus: "For as a young man weddeth a virgin, so shall thy restorer (or thy Maker) wed thee!" hence a noble idea is presented, namely, that the great Maker and restorer of all things regardeth himself as an affectionate husband to his beloved people. This view of the matter is quite consistent with many other passages of Scripture; it is therefore supported by other correspondents, as Messrs. Cairns, Moxon, Needham, Wyrill, &c.

CCXXXIII. By Mr. J. Needham, Hinckley.

The creature denoted by the word *Sophan*, here called Coney, is by most critics, &c. supposed to have been a large rat of a particular species, well known both in Syria and Egypt.

Mr. Cairns, the proposer, answers it in nearly the same manner. *Hobart* supposed it to be the *Mus jacksoni*; but says Mr. A. Glendinning, Commentators and Travellers, seem now pretty well agreed that it is the Daman Israel, or Israel's Lamb, called in Amhara *Ash-koko*, and whose characteristics agree with what Solomon says of the *Sophan*. Prov. xxx. 26. Messrs. Moxon and Kemp also gave answers.

CCXXXIV.

Our correspondents do not seem well agreed as to the meaning of this passage: some refer it to the destruction of Babylon; others to that of Idolatry; others, to the late Revolutions and Concussions in Europe. But, whatever the particular reference may be, all agree that the text is intended to exhibit an idea of the mighty power of the Supreme Being, who can make, and, in the case of Earthquakes, has made "the rivers islands, and dried up the pools." With respect to the translation, Mr. Glendinning, the proposer, shows that we have sufficient authority to render the text, "I will make the rivers habitable places."

This question was answered by Messrs. Cairns, Kemp, Moxon, Needham, Savage, Spooner, Wyrill, &c.

CCXXXV. By Mr. A. Glendinning.

I presume the ingenious proposer was not aware that this is the same as the old question in the Diary for 1795; and to which an answer was given in the next Diary quite satisfactory to me.

Answers agreeing nearly with that in the Diary for 1796 are received from Messrs. Cairns, Moxon, Rufficus, Savage, Spooner, Wyrill, &c.

CCXXXVI. By Mr. B. Kemp.

The nature of that pleasure derived from viewing scenes of real or imaginary distress, is in some analogous to what may be termed *Sympathetic Benevolence*: to commiserate and feel for the distresses and afflictions of others may be deemed a mark of tender regard, at the same time that it fortifies the mind against misfortunes of less magnitude that too often break in upon, and disturb us in our passage through life. Others there are who attend these scenes merely to gratify an idle curiosity, preferring any kind of novelty to the more common scenes of occupation and industry.

Captain Geo. Gorry says; the full discussion of this subject would take up more room than could be allotted to it in the Diary; he there-

fore

fore refers to a paper on Tragical Representations by the Rev Geo. Walker, in vol V. of the *Manchester Memoirs*; and to the later end of vol. I. of *Hartley on Man*, where he treats on the pleasures and pains of imagination and sympathy.

Answers were also received from Messrs. Cairns, Fitch, Glendinning, Maxon, Murton, Rufinus, Savage, Shillitoe, and Wyrill.

CCXXXVII. By Mr. J. Wyrill, of Wilton.

As air is the *pabulum* of fire, it must certainly burn the fiercest in cold weather when the air is most dense, and at the same time impregnated with nitrous particles, which, mixing with the inflammable part of the fuel; will cause a quicker combustion; for the same reason that gunpowder is more quickly consumed than any one of its ingredients would be separately.

Nearly similar answers were given by Messrs. Cairns, Glendinning, Fraser & Vahosson, Maxon, Needham, Robinson, Shillitoe, &c.

CCXXXVIII. By the Rev. H. Spooner, of Spalding.

Sore *mill's* the word, superadded to *outh*, *Million's*.
That will give you a kindred ending to *month*.
But where is the poet with muse so divine,
To form with such data a musical line?

Indeed our correspondents in general seem of opinion, that although *bours*, which chime so nicely with *bow's*, and *flower's*, and *pow's*, and *sowers*, succeed very well in the hands of a poet, yet *months* are incorrigible, and must be totally banished from the regions of poetry.

CCXXXIX.

Many of our kind contributors inform us, that, on trial, it has been found that a lump of sugar put into cream *does not* prevent its being converted into butter: indeed, some of them affirm that it rather facilitates the process, and assign reasons why this ought to be expected.

CCXL. By Mr. John Cairns, Old Bewick.

This gentleman says there is some reason for the assertion. If a corpse is carried in the way to burial over private ground, in consequence of permission being asked and granted, the conditions debar it from being a common road; but, if the corpse were carried over without leave, and not stopped or arrested by the way, it would appear reasonable that it should be esteemed a common road for the future, either for dead or living: this circumstance making it a *church road*, which ought always to be free and common.

Messrs. Glendinning, Murton, Robinson, and Wyrill, however, are of a contrary opinion, and affirm that there is no statute or law existing which establishes any such right or usage.

ÆNIGMATOLOGY.

Answers to the last Year's **ÆNIGMAS.**

- | | |
|--------------|----------------------------|
| 1. Noon. | 9. Peace. |
| 2. Clock. | 10. Air. |
| 3. Eye. | 11. Smile or Blush. |
| 4. Door. | 12. Secret. |
| 5. Brains. | 13. Grace, or Divine Love. |
| 6. Thoughts. | 14. Lighthouse. |
| 7. Owl. | Prize. Barometer. |
| 8. Bell. | |

REFUSES. 1. Bargain. 2. Fineston. 3. Shillitoe. 4. War.
5. Nap. 6. Budget. 7. Wheel. 8. Pension. 9. Plague. 10. Sitis.

2. *On Spring.* By Mr. ISAAC GUMLEY, of Nottingham.

Once more *smiling* Spring has enliven'd the plains, II
And spread all around us her gay-looking flow'rs;
The birds fill our ears with their sweet varied strains,
And wing'd with soft pleasures away fly the hours. Clock, 2
Eye nature array'd in her mantle of green, 3
And smell the sweet odours that zephyr conveys;
Look round (for enchanting and noble's the scene),
They who can may withhold admiration and praise.
See, see! o'er the fields how the rustics advance,
With cowslips and blue *bells* thir baskets to fill, 3
While round them the lambskins all wantonly dance,
And soft cooing turtles most lovingly bill.
With wonderful pleasure I walk by the streams
That flow in meanders so peaceful along, 9
Enjoy the fresh air and bright Phœbus's beams, 10
And list to the songsters yon woodlands among.
At morning, at noon, and the still *secret* night, I. 12
When bats and when *owls* flit about for their prey, 7
The works of my Maker I trace with delight,
And view *Divine Love* wheresoever I stray. 13
How oft from the *lighthouse* that stands on the hill 14
I've cast my eyes over the wide-spreading main!
'Tis a sight that each mind with amazement must fill,
And *thoughts* of ambition expel from the brain. 6. 5
If the weather should vary, and clouds become dark,
And mercury in the *barometer* falls, Pr.
I'll shut to the *doors* of my safe little ark, 4
Nor envy the great in their fine spacious halls.
With health, some good books, and a right trusty friend,
Contented I'll be in my humble estate;
On Providence I'll with submission depend,
Nor with for the wealth and the pow'r of the great!

2. *On the Death of the Rev. Mr. Charles Wildbore.* By Mr. T. WILSON.

O! all ye sons of Science mourn; And ta'en his flight,—ne'er to re-
With tears bedew the sacred urn With glory crown'd. [turn,
Of him who's cross'd that awful And ye, so fam'd in Dia's corps,
Life's dreary bound; [bourne, In doleful strains his loss deplore,
Who

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Who did your labours all explore
While here on earth;
And echo forth from shore to shore
His sterling worth.
Before he pass'd life's early stage,
Or reach'd the afternoon of age,
He did in Dia's cause engage,
With bee-like toil;
And often spent o'er that sam'd page
His midnight oil.
Long did he shine with lustre here,
Displaying with each varying year
The darkest parts of science clear,
In thoughts sublime;
Or making *clock* or *glass* appear
In easy rhyme.
The ardent *thought*, the piercing *eye*,
The *brain* that could at once descry
Where nature's hidden *secrets* lie,
He all possess'd;
Whilst *peace* and *love* triumphantly

Reign'd in his breast.
The flowing *down* was ne'er his care,
To which the guilty oft repair,
To drown their gloomy dark despair,
Or murder *thoughts*,
Unmindful of the witching snare
In which they're caught.
Though fortune's smiles he ne'er
possess'd,
He with a competence was blest,
A little too for those distress'd;
The friendless poor;
Who never made a vain request
At his kind door.
A *lighthouse* he, to guide the blind
Of those who after truth inclin'd,
The Christian meek, the pious kind,
He always prov'd;
And at the last met death resign'd,
Calm, and unmov'd.

3. An *Elegy*. By Mr. W. WOOLSTON, Adderbury, Oxon.

Slow as I muse adown the lonely vale,
Peace undisturb'd extends her reign around;
Meek *twilight*'s shadows steal across the vale,
And dews descending bathe the thirsty ground.
Lo! bright emerging o'er yon distant hill,
Full orb'd, the moon ascends her splendid car;
Unnumber'd glories heav'n's wide canopy fill,
And radiance beams from ev'ry twinkling star.
Now, 'scap'd awhile the world's tumultuous noise,
Enwrap't in studious *thought* I pensive rove,
Where no rude element the calm destroys,
Beside the *glassy* stream that skirts the grove.
But, hark! what sound invades my list'ning ear!
The *clock*, slow tolling from yon distant tow'r,
Through the still *air*, in solemn cadence clear,
Tells the departure of the fleeting hour.
"Alas! how weak, how changing, and how vain,"
Deeply I sigh'd, "are sublunary things!
Hence, then, ye tinsel follies from my *brain*,
"Aloft to purer scenes my fancy springs.
"So, far beyond this murky vale of woes,
"Religion taught EUMENES* soul to rise; * *The late Editor*,
"Life's rustling storms ne'er broke his calm repose,
"On heav'n alone he fix'd his ardent eyes.
Thrice happy was the lot by heav'n assign'd:
"He trod the silent paths of humble life;
"No thoughts ambitious fir'd his gentle mind,
"Which ever shunn'd the scenes of noise and strife.

Beacon, 14.

Pr. Weather-
glass.

10

5

8

- "Refuge'd be liv'd—life's noon of trial o'er,
 "Galen was his end as evening's *blushing ray*;
 "Heav'n op'd at length his everlasting door,
 "While here below, the sons of science mild
 "His memory cherish with affection dear;
 "MARTINUS, to of laments her favourite child,
 "And shed the warm, the tributary tear,"
 Now, cloister'd shrill from yonder *secret shade*,
 The *soul* pours forth her harsh discordant note.
 Wakes the deep echo down the lonely glade,
 Reverberating wide to hills remote.
 And hark! a monitor from yonder town,
 The nightly bell forbids me on to roam;
 Slow I retrace the solitary down,
 And seek once more my peaceful cottage home.
 Wish spirits calm beside the cheerful fire,
 Well pleas'd I list to graceful wisdom's lore;
 Or now perhaps Diaria's strains inspire,
 And waft on downy wings the fleeting hour.
 Afar retir'd from proud ambition's sphere,
 Be mine the pleasing simple joys like these;
 In virtue's humble path to persevere,
 And pass a life of piety and peace.
 The beautiful *Elegies* by Mr. *J. Wyrill*, and Mr. *J. Savage*, are
 omitted with great reluctance.

4. On Spring. By Mr. R. GREGORY, of Yaxley, Hunts.
 The fun now breaks forth from the From barn-doors the cattle now stray,
 East, [spray] In the meadows they're blithsome
 And continues to smile on the and free. [day,
 While a secret delight is increas'd The shepherd in peace spends the
 At this noble harbinger of day. Near the owl in the old ivy tree.
 The thoughts of the winter's sharp His brains are not troubled with care;
 gale At noon, with a rapturous glow,
 Give way to a lovely mild breeze; Contented eats his humble fare,
 The bloom the eye saw in the vale Where blue-bells and violets grow.
 Breaks out into life on the trees. Great God! while the seasons thus
 The garden, now forcing's begun, run, [flee,
 Twelve o'clock, when the weather Give us grace all temptations to
 is warm, [sun, That when this life's course shall be
 Your lights you must shade from the done,
 Or your plants will be all taking; We may all be united to thee.
 harm.

- 3 A Shepherd's Invocation. By Mr. B. HOLDEN, Jun. Thorney.
 Now sweltering Phœbus drives adown the sky,
 And dips his steeds in yonder azure sea;
 My blushing fair, thy faithful shepherd boy
 Sits on the breezy hill, and waits for thee.
 Eight hours since *non est*—Why dost thou linger so?
 Thy envious mistress, sure, the door has barr'd;
 Or thou art tardy,—or the clock's too slow.—
 Ah! thou hast never love's impatience shar'd!

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Or, do the elements thy fears create?

The evening sky was clear—thy fears are vain.—
The wailing partridge woos his willing mate.—

Thy shepherd's *weather-glass* portends no rain.

Too simple are my lays thine eye to charm;

Imagination beams not in my song;

My *brain* is cold, my heart, alas! too warm;

And *peace* must never more to me belong!

Yet come—oh! come; and breathe the spicy air,

And hear the *secret* which I long to tell;

Or must the shrieking owl my woes declare,

And morn salute thee with my passing-bell?

I lie me down, despairing and forlorn.—

Should'st thou relent—oh! yet the *thought* is sweet!

I'll light my lamp, and wait for thee till morn—

The taper may conduct thy wand'ring quest.

For love's unsteady in thy wavering soul,

And that shall lead thee to the mountain's brow;

So, while the needle trembles from the pole,

The tow'ring *light-house* guides the dubious prow.

6. The Wife. By Mr. JOHN SMITH, Ashborn.

Kind Providence, give me a cot

Devoid of pomp, yet neat and clean,

Fix'd in some *secret* rural spot,

Where silence holds her peaceful
reign.

And graciously vouchsafe to grant

Of worldly wealth a mod'rate store,

That I may help the child of want,

And send him *smiling* from my door.

And (might I have my wish) to me

Should a choice stock of *books* belong,

A fiddle too, to heighten glee,

When blue-eyed joy inspires the song.

How swift the circling moments

pass,

I'd have a *clock* to shew with care;

And in some nook a *weather-glass*

Should note the changes in the air.

(When tempests *howl*, and *lightning*
streams,

My *house* would prove a sweet retreat;

Or when the sun with fervour gleams

'Twould screen me from the *noontide*

To science here my suit I'd pay, (heat.)

And, oft my *fancy* to amuse,

I'd form some wild incoherent lay,

Or some esteemed book peruse.

Thus I, far from the hair-brain'd
throng,

Who in pursuit of pleasure rove,

The vale of life would pass along,

'Till summon'd to the realms above.

7. Reflections. By Mr. T. WOOLSTON, Adderbury.

While Phœbus pours bright noon on distant isles;

Now on our plains he sheds a softer ray;

And gilds the landscape fair, which charming smiles,

In all the lovely elegance of May.

The restless clock no more assails the ear,

With still returning monitory sounds;

The woodland songsters chant their love-notes clear,

And playful squirrels frisk their airy rounds.

The eye drinks pleasure from the beauteous scene,

Where unsophisticated nature reigns:

No jarring discord here, but all serene,

The mind collected quick its power regains.

The doors of sense all barr'd to folly's rout ;
 Here contemplation trims her eagle wings,
 Far from the din of mad Ambition's shout,
 And looks with pity on the pomp of kings.
 The brain no feverish lust of wealth invades ;
 The world and all its vanities recede ;
 While, undisturb'd, beneath the peaceful shades,
 The mind from sloth, and groveling passions freed,
 Gives to the lighten'd soul in thought to rise,
 The murky fogs of earthly cares above ;
 Blest to expatiate in yon purer skies,
 And kindle there the fire of heav'nly love.
 Ye boding screech owls hence, who scare mankind,
 And darken life with evils not a few ;
 Alas ! to sacred reason why so blind ?
 To discontent and murmuring bid adieu.
 Away with Folly's glingling bells, and learn
 What pleasures pure from meditation flow ;
 Sweet peace which sordid souls can ne'er discern,
 That heav'nly antidote to human woe.
 Come, mild Religion, come, with dove-ey'd peace,
 And calm the tumults in each troubled breast ;
 Bid factious Passion's wild commotions cease,
 And soothe their murmurs to a holy rest.
 Soft as the air, when young Favonius breathes
 Ambrosial odours from the woodbine grove,
 Behold her, crown'd with sweet celestial wreathes ;
 Descend with blest credentials from above.
 Array'd in smiles the heav'nly form appears,
 And sheds around a life reviving ray ;
 Wipes from sad Sorrow's eyes the bitter tears,
 And points to happy climes of purer day.
 The book which life's best secrets all unfold,
 Display'd to all, her graceful hand sustains ;
 And shews, in brightest characters enroll'd,
 That love which seraphs hymn in boundless strains.
 O ! LOVE DIVINE ! stupendous love indeed !
 His blissful realms of glory to forego !
 That man might live, Immanuel stoop'd to bleed,
 And rescued wretched man from death and woe.
 Thrice happy he, this beacon for his guide
 Who takes, amidst life's boisterous storms when toils'd,
 Secure he all those tempests shall outride,
 And anchor on the peaceful promis'd coast.
 Barometers in vain may fall or rise,
 He steady views this beacon's cheering ray ;
 Nor quits the helm, till safe he makes the skies,
 Where reigns a cloudless everlasting day.

8. *A Morning's Meditation.* By Miss M. YOUNG, of Warfop.

When in the blooming month of May, I through the lonely meads did stray,
 To breathe the morning air, Forgetting worldly care,

My

My eyes sweet Nature's lovely green	But save the mighty God of Love,
With glowing rapture view'd;	Eternal bliss to gain,
And blushing flowers now were seen;	'Tis He can search, with pow'r di-
Creation seem'd renew'd.	The <i>secrets</i> of the heart: [vins,
The shrieking owl was gone to rest;	Then let our lights as <i>beacons</i> shine,
Bright Phœbus now appear'd;	Before we hence depart. [those,
His azure course from east to west	While Mammon racks the brains of
Like <i>rainbow's</i> arch he steer'd.	Who glitt'ring wealth pursue;
I to a village church drew nigh,	Religion and her sacred law—
Whose <i>bell</i> , with heavy sound,	Let's ever keep in view.
Rang 8 o'clock before that I	Now Mercy's <i>door</i> is open'd wide,
Had gone my morning's round.	To all that do believe
And now I <i>thought</i> on Time's swift	In Christ our Lord: in him confide,
How rapidly it flies! [wing;	His heav'nly grace he'll give.
It tarries not for slave or king,	This noon-day sunshine of the soul;
For foolish or for wise.	This talent freely given,
Dear gents, let us each hour improve;	By due improvement made in all,
No moment spend is vain:	Will guide us safe to Heaven,

9. An Elegy on the Death of Mr. John Fildes.
By Mr. D. T. SHERIDAN, Wolverhampton.

The clock strikes five; the awful passing bell
 Resounds its summons of "O mortal come,
 "Your cares are past; this piercing, solemn knell
 "Invites you to your native peaceful home."
 In mournful notes indite the votive lay—
 In plaintive dirges let the muse deplore,—
 The tributary tear let friendship pay;
 For FIELDS, ingenious FIELDS, is now no more!
 His graceful numbers *secret* joys diffuse,
 Like *moon-tide fancies* gliding thro' the brains:
 His *smiling eye* and sportive *airy* muse
 Attun'd to bliss the victims of fell pain,
 No moping owl, or *beacon* of mere show,
 No fluctuating *weather-glass* was he:
 His *door* was open to the child of woe,
 And from affliction lov'd to set him free.
 Alas! not all his harmony of song,
 His kind affections, and well-founded faith;
 Could his invaluable life prolong,
 Or snatch him from the icy fangs of death.
 Where bliss supreme, where joys perennial spring,
 Where virtuous man divine enjoyments prove;
 There, there, my Fildes for ever more shall sing,
 Immortal strains of gratitude and love!

The Editor begs to thank Messrs. J. Bartley, J. Cairns, J. Cowill, T. Coulson, R. Dutton, J. Fitch, A. Glendenning, P. Gove, W. Hinds, G. H. Ifist, T. Keeton, B. Kemp, E. Leachman, J. Maxon, G. Oliver, D. Roberts, T. Ryding, J. Savage, Jas. Smith, R. Walker, and J. Wyllie, for their ingenious General Answers; several of which he should gladly have inserted had room permitted.

His mercy, his unchanging love,
And goodness, is unbounded;
Had he not fed them from above,
On me they never could have thrived;
Though there I much abounded.
Yet not to that wild desert drear
Am I alone confined;
For I on Britain's coast appear,
Where the loud roaring waves you
hear,
At Scarborough or Minehead.
And, in this fertile, sea-girt isle
I'm fam'd for various uses:
Assist to rear the stately pile,
Or oft fasten, for many a mile,
The treasures earth produces.

The kitchen-maid my use will own,
Likewise the navigator;
With Garnerin, in th' air-balloon,
I've taken a rout toward the moon,
Though subtle is my nature,
Sometimes within the humble cot,
The lowly widow's dwelling,
(Who's by the world almost forgot,
Her children gone—her spouse is
I, by her aid, am telling, [not,])
In silent language most sincere,
That near life's close she's draw-
For no confining city here [ing:
We have, th' Apostle does declare;
The thought how deeply awing!

5. ENIGMA 806. To the Ladies

Ye nymphs, who grace this happy
isle, [smile
Where plenty makes the peasant
Where peace and freedom dwell;
Ye nymphs, who ev'ry nymphotevie;
I shine in you, in you who try
In virtue to excel.
View but creation's ample scene,
The field, the lawn, the wood, the
In these I'm always found: [green,
The flow'rets sweet I help to grace,
Am found among the feather'd race,
And sometimes under ground:
In spring, when green adorns the
plains, [strains,
The little warblers chant their
And wake the soul to love;
'Tis then I most display my pow'rs,
When 'livening suns, and vernal
show'rs,

By Mr. W. MARRAT, Boston.

Conspire to deck the grove,
When yellow Ceres crowns the land,
Pomona opens her copious hand,
Autumnal scenes t' adorn,
Then with what charms do I appear!
But I am seen throughout the year,
At mid-day, night, or morn.
In Homer, Virgil, Milton's lines,
Where learning, taste, and genius
I hold my potent reign. [shines,
The lover sees me in his dear,
In ev'ry feature I appear,
And give him pleasing pain.
Tho' kings have worshipp'd at my
shrine,
My vot'ries oft are left to pine,
To pine and waste away;
Yet such a short-liv'd spright am I,
Methinks I'm only born to die:
A transient summer's day!

6. ENIGMA 807. By ALFONSO, of Mansfield.

Permit me, Darians, a place in your
page,
Nor think I too boldly intrude:
Created a teacher from youth to old
age, [good.
I advise all mankind for their
My counsels accepted, rever'd, and
believ'd, [go:
Direct them the way they shou'd
And, as a true guide, what I freely
receiv'd,
To others I freely bestow.

To all my assistance will courage im-
part, [give;
Who attend the instructions I
With boldness inspire each diffident
heart, [trieve.
That inclines the lost path to re-
Yet with truth I confess it, and blush
to proclaim, [shew,
What the conduct of teachers oft
Tho' I give good advice, and the
right way I name,
The way that I point seldom go.

Example

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Example my precepta declining to
 lead,
 Subjects me to insult and scorn,
 And, though loud in my favour past
 services plead, [scorn.
 I am stripped, and left quite for-
 Yet true to the cause which I'm
 call'd to support, [and defac'd,
 Tho' with limbs sorely maim'd
 Each insult I patiently bear, nor
 retort;
 By the vulgar alone I'm disgrac'd
 Thus boldly my station I firmly
 maintain, [stand;
 Nor shrink whilst alone I stand
 When virtues no more than a post
 I retain,
 Mankind I with infamy brand.

7. ÆNIGMA 808. By Mr. J. WYRELL, Withow.

The Muse I've hail'd, kind gentle-
 Brought no answer back again; [men,
 For one steep'd in, whose stupid pow'r
 Can wit and genius both devour:
 And, just as I began to write,
 Quite overpower'd my mental sight,
 And lull'd my senses all to rest,
 So much her opiate breath oppress;
 And, while I lay a listless elf,
 The mighty pow'r describ'd herself.
 'Tis I who rule the bulwark men,
 I often guide the poet's pen,
 That snarling critics, furly breed!
 May have wherewith their spleen to
 Law, physic, and divinity, [feed.
 Give half their consequence to me,
 For law oft feels my poppy rod,
 When e'er dry causes juries nod;
 And then sleep longer, pursue bears
 sway, [day.
 And wrong from right may win the

Empyric, by my friendly aid,
 Have often princely fortunes made;
 For, soon their patients, but for me,
 Thro' their duplicity would see;
 Nor for a nauseous draught e'er see
 'em, [free 'em.
 When temp'rance, exercise, might
 The pulpit often owns my power;
 Thence I upon the audience shower,
 And fill their heads with worldly
 schemes,
 Or shut their eyes in pleasing dreams.
 Thus tho' I over most preside,
 Yet some my pow'r can never guide.
 Brisk, lively spirits, full of glee,
 Snap off my chains, and will be free.
 Numbers of these, in Dia's page,
 Amusingly instruct the age:
 Next year, within the lists of fame,
 They'll to the world declare my
 name."

8. ÆNIGMA 809. By Mr. G. H. ISITT, Stanion.

Attend, dear gent's, 'tis my intent to
 shew,
 To murder man my origin I owe:
 For you will find I ne'er was seen
 before [father's gore.
 He stain'd the ground with my fore-
 Forefather's did I say? who ne'er
 am born [was torn,
 But from my parent's bleeding back
 To take a title greater far than all
 The modern squires that glitter at
 the ball.
 But what avails the titles of the
 great, [gen'ral fate?
 Since they with commons share a
 And I, oh! horrid thought! must
 quickly feel [steel;
 The poignant thrusts of unrelenting

And then am bound, oh, direful tale
 to tell! [in hell
 Like Ixion to the wheel which turns
 Tho' thus I suffer, yet I ne'er com-
 plain, [regain,
 Since I once more my freedom shall
 To be with many fellow victims seen,
 When Christmas gambols cheer the
 rustic scene.
 And tho' when first I did appear in
 fight, [white;
 I wore a robe of crimson, lin'd with
 Now have I laid that glaring colour
 down, [murky brown.
 To wear, henceforth, a robe of
 When, from the Gallic coast, the
 star'd Monsieur, [her cheer;
 Reaches old England, and behold-

If I, perchance, his straining eye
has met, [France forget,] But I must stop the scribbling pen,
He'll soon soup-maigre, frogs, and I tell my name, and leave you nought

9. ÆNIGMA 810. By Mr. D. ROBERTS, St. Columb.

Midst racks, wheels, engines, dungeons, dreary cells,
Where keen-eyed Anguish, brooding, ever dwells;
'Tis there my presence does augment the pain; [I reign,
'Tis there, in dreary state, I rule and
A sentinel, a guard, a gaoler I,
Nor ever pity mis'ry's mournful cry.
When Hodge, or Harry, drives his
team to field, [I yield;
To him I then my kind assistance
Midst blooming verdure with him
oft I pass, [I graze.
Tho' not unlike a serpent in the
If us'd with care, a kind assistant I,
If carelessly, he by my wounds may
die.

Where sounds the birth-day ode in
festive glee, [Of finding me;
Midst beauties charms you're sure
Or with the dashing beaux as they
advance,
And lead their partners through the
mazy dance;
There, if I'm rightly plac'd and truly
dress'd,
I cut a figure brilliant as the rest.
Sometimes vast mountains give to
me a name, [I came.
Sometimes the very parent whence
A friend and foe to man, both weak
and strong, [I short and long.
Slender and thick, square, round, and
Sometimes I parent have, and some-
times none, [blood and bone.
Sometimes am made of flesh, and
I he sacred writers often mention me,
From thence you'll guess my great
antiquity.
Their prophets, princes, kings, all
knew me well, [I dwell.
And oft reluctant forc'd with me to
Remove the veil, ye advocates for
fame, [hidden name.
And to the world announce my

10. ÆNIGMA 811. By Mr. ISAAC GUMLEY, of Nottingham.

For once, ye sons of men, the words
attend [friend
Of one who is, and always was your
'Tis not, perhaps, for mortal man
to say, [Of day;
When first I saw the cheerful face
Yet must allow that I obtain'd my
birth [round the earth.
Since commerce spread her blessings
I, like some potentia e exalted high,
Retain my place, nor dread a low'ring
sky.
Fearless of hardships, I ne'er seek to
shun [ardent sun.
Winter's fierce storms, or summer's
No change of seasons e'er shall make
me start, [some heart.
Since pilgrims view me with a glad-
For, like an angel, I point out the
way, [rules the day;
Where rest is found, and pleasure
Where wine and music, with the
beauteous fair, [care.
We wings to time, and banish ev'ry
You'll doubtless find, if you should
look for me,
Old Adam, with the interdicted tree;
There, too, the wily serpent you may
find; [mankind.
With Eve, the graceful mother of
Remove the scene, and you will
soon remark,
That I'm convert'ed into Noah's ark;
With olive-branch behold the turtle
flies; [gaudy dyes.
And then the rainbow shews its
A thousand monsters you'll through
me obtain, [maker's brain.
Which sprang, like Pallas, from my
Birds, beasts, and reptiles, I with
ease can ape,
And entertain in almost ev'ry shape.
Look in my face, perhaps you may
behold [hurnish'd gold.
Sun, moon, and stars, that shine like
Kings, lords, and heroes, I can call
my own; [a throne.
With all the creatures that surround

Yes, tho' I'm not of origin divine,
 "The crown, the sceptre, and the
 globe are mine." If more you want to make my name
 appear, [qamplakes there.
 Look to the skies, and mark my

11. ÆNIGMA 812. By Mr. D. T. SHERIDAN, Wolverhampton.

Let mighty monarchs boast their gorgeous state, [relate: And splendid welcomes pompously All their vain-glories but ignobly shine, [mine Mere imbecillity, compar'd with The lovely fair, tho' by mankind ador'd, [Lord The last best gift bequeathed by the Still cannot boast, though charming, gay, and free; The universal homage paid to me. To make me welcome, deities prepare The loveliest beauties of the vernal year. Soft smiling Flora decks the rural bow'rs, [grant flow'rs; With myrtles, amaranths, and fra- The fields enamels with the primrose pale, [vale. The daisy sweet, and cowslip of the The milkmaid sings her artless song of love, [grove. The peasant cheerly whistles in the The playful lambkins gambol on the green, [serene. The skies become more placid and All creatures chant the vivifying song [sence long At my approach, and with my pre- In sexual rites I propagate my kind. But just as far as pleasure is de- sign'd.	The tedious process of their birth I leave [ceive. To more ignoble minds, whom I de- With fondest care my counterfeits they own, [chiefs done. And are not conscious of the mis- Where'er I sing, the mirthful rustic throng [song. Admire the softness of my dulcet Gay, blithe, and free, I range the verdant plains, [and swains. Dispensing pleasure to the nymphs A certain class of men quite dread my name [or shame. Much more than thunder, pestilence, In human hearts what strange per- verteness lies, [plies; Detesting thus what innocence im- And glory in those titles of disgrace, Those crimes which stigmatise the human race. When I behold all nature richly blest, And Flora's train in all their glory dress'd, From these delightful scenes I needs must part, [heart. In other climes to cheer the drooping O'er earth diffusing all the bliss I can, [man, And ever bringing joyful news to With zephyr, bland companion of my ways, [happy days. Midst blooming scenes I spend my
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12. ÆNIGMA 813. By Mr. T. WOOLSTON, Adderbury.

In the gay morning of the infant world,
 While Adam dwelt in Eden's happy groves,
 And love and innocence together reign'd,
 I had no being, nor was known my name.
 But after-times (when disobedience felt
 The dire effects of sin), alas I beheld
 My form terrific, which, till time shall end,
 Unsatiably voracious must exist.
 —Inexorably fix'd, and stern as fate,
 To high or low I no distinction shew,
 Not more the haughty great than humble slave.
 Nor beauty's self, in loveliness divine,
 With all its charms, can woo me to its will.

A terror to the vicious guilty wretch,
 By day he shuns me; and, when silent night
 Throws o'er fair Nature's face its sable veil,
 I haunt his waking thoughts; or, if asleep,
 In dreadful visions strike him with dismay.
 Not so the guileless man, whose honest heart
 No dread or fear alarms: he, when he goes
 To bid his friend a long and last adieu,
 Views me with Christian triumph, knowing well
 He can repose with confidence in me.

And there are those, who, wearied long with grief,
 And sick at heart, will hail me as their friend,
 And welcome my approach: but, O! forbear!
 Nor rashly rush into my dread embrace!
 For know, there is a God, who sees your wrongs,
 Whose tender mercy and paternal love
 Forbid the deed, and surely will reward
 Your suffering patience, if to him you bow.

But turn we from those scenes; for, see a group,
 With fond affection, bring the choicest sweets
 From flow'r-enamell'd groves and gardens gay,
 To deck me with their charms. Ye gentle souls,
 O, may the pleasures which from hence ye draw
 By heav'n be blest as sacred! while your hearts
 Feel sweet sensations not to be express'd!

Go, search earth's climes, from Indus to the pole;
 In every land I more or less am found.
 But why expatiate long on things thus clear?
 As, soon or late, I must be found by all;
 Yet when or where to all alike unknown.

Too oft Deceit affects my name to wear,
 While, hid beneath Hypocrisy's dark cloak,
 She nurses black abominable schemes,
 To wrong the unsuspecting honest mind.

But no deceit I use; what'er the charge
 Committed to my trust, I safely keep;
 And, after proper time, will safe restore,
 In full perfection.——Hark!!
 What strains celestial shake the trembling spheres,
 And loud reverberate through the depths profound?
 "Unfold, ye gates; ye heav'nly doors give way;
 "Behold, the great triumphant Victor comes,
 "Who captive led captivity! And now,
 "Ye mighty portals to the Realms of Bliss,
 "Receive the Conqueror in!"—My pow'r is lost!
 But hence, dear gods, you'll soon unveil my name.

Puzzle ENIGMA. By MR. BEN. HOLDICH, Jun. Thorney.

In tatter'd garb behold a wand'rer come,
 From clime to clime for ever doom'd to roam;
 For, houseless often, friendless, and obscure,
 I hunger, cold, and penury endure.

Whether

Whether created first, I cannot say;
How form'd, or how sublim'd from humble clay;
Nor how descended; though I'm not allied
To Wealth, Ambition, Avarice, nor Pride.
In me the brute creation claims its share,
Although, camelion like, I live on air.
Though not of feather'd race, on rapid wing
I rise sublime aloft, and soar, and sing.

Of ancient lineage, though of that not vain,
From noble blood no honours I obtain.
A jewel rare, beyond the worth of gold,
Unbought I come, and never can be sold.
Those only who possess me truly prize;
Those who possess me not too oft despise.
Most honour'd when by years and learning crown'd,
Though I was in the ark with Moses found.

Since when, the busy nations of the earth
By turns fortuitous have given me birth:
For, whoso'er the charms of science love,
And schemes that human happiness improve,
There I my magic influence extend,
Of arms the foe, of arts the constant friend.

O'er ruin'd Balbec, now with herbage green,
By musing sage my fairy foot is seen.
I view with tears Palmyra's desert plain,
The pyramids with wonder and disdain.
Entranc'd I stand the lofty dome beneath,
Where Titian's colours on the canvas breathe.
Your plodding misers think I man bewitch,
Because, if poor, I seldom make him rich.
But yet the pangs of poverty beguile,
And make him calmly on misfortune smile.
But seldom seen, and not at courts belov'd;
The scourge of vice, and therefore not approv'd;
While impudence, and flattery, and spite,
Usurp my place, and thrust me from my right;
And, driven to claim posterity's regard,
Their approbation is my sole reward;
Too proud to beg; no pamp'ring pimp am I;
Neglected by the great, I pine and die.

NEW REBUSES, CHARADES, &c.

I. CHARADE. By Mr. T. WOOLSTON, Adderbury.

When raging storms depress the seaman's soul,
And racking thought disturbs his manly breast,
O'er the rough waves his straining eye-balls roll,
In hopes my first will shortly give him rest.
My second to the languid often proves
A cordial, to revive his fainting heart;
Through ev'ry nerve re-kindling vigour moves,
Rais'd by the genial influence I impart.

30 CHARADES and REBUSSES, 1804.

Oh, that my whole were us'd, as heav'n design'd,
The sick to comfort, and the weak to cheer!
Exhilarated thus, the drooping mind
Would prove the Lusitanian draught more kind,
Nor gout, nor rubric noses, need to fear,

2. By Mr. ISAAC GURLEY.

My first appertains unto most of mankind,
And is a free passage to let through the wind;
My next is a poet well known unto Pope,
Whose writings you sh^d read with some pleasure, I hope;
My whole is a compound of nature and art,
Which Damon once stole from the maid of his heart.

3. By Mr. JOHN NEEDHAM, Hinkley.

Hark! how my first does doleful say, Mov'd by true love, will drop a tear.
The dead bring to their bed of clay! My whole's search night about the town
Oft for my next the tender fair, While many sleep on beds of down.

4. By Mr. GEO. SIMPKIN, Pinedon.

My first good liquor oft contains, For epicures a dainty dish.
To cheer the heart, or dull the brains; My whole united will explore
My next is a small river fish, In Eastern queen in days of yore.

5. By Mr. D. T. SHERIDAN.

My first in Vulcan's forge is made,
For roughness and for strength renown'd;
Amid the woodbine's fragrant shade
My roddy next is often found.
The pleasant flavour of my whole
Regales the taste, and cheers the soul.

6. By Old POOR ROBIN.

My second is a thing of worth, And when my first comes bellowing
Whose bus'ness is to crumble; My bowels rumble grumble. [forth

7. A *Rebus*. By Mr. R. GREGORY, Yaxley.

The head of the earth be pleas'd to unite
To a part of what war'ensh the same;
In the next three, dear gents, some take great delight,
And oft think it adds to their fame.
The whole is a word which I trust you'll admit
'Tis a priv'lege, a virtue, an air;
'Tis a noble's address, and, to raise higher yet,
'Tis a blessing we ask for in pray'r.

8. A *Rebus*. By Mr. RALPH DUTTON.

Two-thirds of a place for wild beasts; Will name you a nostrum for ev'ry
under ground, [be found: disease;
Two-fifths of what oft in a mill may Both head-ache and heart-ache, I'll
A vowel then plac'd in the middle of 't, wager my life; [some wife.
these, And never yet fail'd with a trouble-

QUESTIONS Critical and Philosophical.

I. Q^U. 241. By Captain GEO. GORRY.

Is Motion rightly defined by "change of place?" If not, be pleased to give a true definition.

II. Q^U. 242. By Mr. ISAAC GUMLEY.

Pease boiled in what is called hard water will not become soft and break, in the same manner as when they are boiled in soft water. What is the reason of this?

III. Q^U. 243. By Mr. A. GLENBERNIE.

What did the Mythologists designate by Hercules?

IV. Q^U. 244. By Mr. B. KEMP, Farnfield.

What was the nature of that darkness mentioned in Exodus, ch. x. v. 21? And in what sense are we to understand it—a "darkness that may be felt?"

V. Q^U. 245. By Mr. THOM. BOWN.

Are the different colours of flame susceptible of a satisfactory explanation on received principles? If they are, the explanation is required.

VI. Q^U. 246. By Mr. B. HOLDICH, Jan.

Can fishes hear?

VII. Q^U. 247. By Capt. GEO. GORRY.

From a variety of Latin proverbial expressions in frequent use, the following are selected, in hopes some learned contributor to the Gentleman's Diary will be able to ascertain their authors.

1. *Incidit in Scyllam, cupiens vitare Charybdim.*
2. *Solamen miseris socios habuisse doloris.*

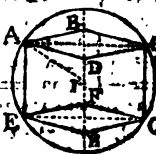
VIII. Q^U. 248. By Mr. JOS. MOXON, Camwood.

It has been frequently said that it was customary for the judges to sit in the Areopagus during the night. Is this true?

ANSWERS to the QUESTIONS proposed last year.

(1.) Q^UEST. 245, answered by Capt. GEO. GORRY.

It is manifest that the base of the parallelopipedon must be a square. Let, therefore, the annexed figure represent the sphere, with the parallelopipedon inscribed; put $AI = r$, the radius of the sphere, $AE = AB = BC = x$, then $\sqrt{4r^2 - x^2} = AC$; and since the side of the square is AC , the diameter of the circle in which it is inscribed, therefore $AC^2 \times AE$ is a maximum; that is, $4r^2x - x^3 = 0$ max. In fluxions $4r^2 - 3x^2 = 0$; and



by reduction $x^2 = \frac{4}{3}r^2$, and $x = \frac{2}{\sqrt{3}}\sqrt{3} = 10\sqrt{3}$. Hence $AC = \sqrt{4r^2 - x^2} = \sqrt{4r^2 - \frac{4}{3}r^2} = \frac{2}{\sqrt{3}}r\sqrt{6}$; which, multiplied into $\sqrt{2}$, gives $\sqrt{3} = 10\sqrt{3}$; each side of the cube; therefore the parallelepiped is a cube, and its solidity $= 1000\sqrt{3} = 1732.05$ inches; and $10\sqrt{3} = 173.205$ inches.

It is pretty obvious, independent of the fluxional process, that, as the greatest parallelogram inscribed in a circle is a square, so likewise the greatest parallelepipedon inscribed in a sphere must be a cube.

Miss Julia Gardiner, after shewing that the inscribed solid must be a cube, finds, by Agnes's Institution, vol. I. p. 159, each side to be 26.30991 inches: and Mr. W. Walker finds, by Emerson's Geom. (p. 247, 29) $3 \times 39^2 = 5296.15$, the content of the cube.

True answers were also given by Messrs. Bartholomew, and Marrat. Many gentlemen who attempted solutions failed in consequence of confounding the side of the square base with the diameter of its circumscribing circle.

(2.) QUES. 846, answered by Miss JULIA GARDINER, Bodicote, Oxf.

Put $x+y=1$, and $xy=p$; and the given equations will become (1) $1+x^2=2$, (2) $1^2+2p+x^2=2$, (3) $1^3-3p-x^3=a$ max. From the 1st eqn. $x=1$, and from the 2d $p=\frac{1^2+2^2-b}{2}$; therefore, by

substitution, $p=\frac{1^3+3a^2-6a^2+3^3-3b}{2}$, $x^3+y^3=3x^2+3y^2+3x^2+3y^2$

$=a$ max. Hence $-2x^2+3x^2+3y^2=2a^3$ is also a maximum. Or,

$6x^2+3x^2+4x=0$, and $x=\sqrt{\frac{a^2+b}{2}}=50\sqrt{3}=86.60255$; con-

sequently $x=100-86.60255=13.3974$, and $p=\frac{1^2+2^2-b}{2}$

$=339.7459$. But $x+y=1$, and $xy=p$; therefore, from the square of the 1st subtracting 4 times the 2d, we have $x^2-2xy+y^2=1-4p$, or $x-y=\sqrt{1-4p}$. Hence $x=\frac{1}{2}+\frac{1}{2}\sqrt{1-4p}=66.4369$, and $y=\frac{1}{2}-\frac{1}{2}\sqrt{1-4p}=20.1657$. And thus the question is solved by a simple quadratic. Mr. John Barile, Dublin, also solved it by a similar process.

The same, by Mr. WALKER, Hornforth Academy.

Put $x=100$, and $y^2=3600$. Then by transposition $x+y=a-x$, and $x^2+y^2=100^2-x^2$. From three times the product of these two equations take the cube of the former, and half the result will be $3x^3-3x^2y-3xy^2+3y^3$; whence $x^3+y^3-3x^2y-3xy^2=3x^2y-3xy^2$. In fluxions $-6ax^2+3x^2y+3xy^2=0$. $x^2=2xy$, and $x=100-50\sqrt{3}=13.3975$. Now from the square of the 1st take the 2d, and $2xy=100^2-2x^2$; deduct this from the 2d, and $x^2-2xy+y^2=2x^2-3x^2$; hence $x-y=\sqrt{2x^2-3x^2}$.

From this and the 1st eqn. we have $x=\frac{100-a\sqrt{2x^2-3x^2}}{2}$, and $y=\frac{100+a\sqrt{2x^2-3x^2}}{2}$.

66.4369 , and $y=20.1657$. W. W. R.

Similar solutions were received from Messrs. Gendreau, Stoddard, Stephen, Cook, and E. H. R. Some gentlemen wrote $x=100$, and x and y both $=50$.

(3.) QUEST. 847, answered by Mr. A. GLANDENNING, Master of the Academy, Howard Street, Falmouth.

Writing for the 1st equa-

tion and taking the diff. between

the 1st and 3d equ.

and the sum of the 2d and 4th

equ. given

therefore cd and ac are given.

Again, the diff. of the 1st and 2d is $2(ad)^2 + 2(ac)^2 = 2a^2 + 2c^2$

and that of the 4th and 5th is $2(bc)^2 + 2(cd)^2 = 2b^2 + 2c^2$

therefore de and bc are given.

And the sum of the 4th and 5th is $2(ad)^2 + 2(ac)^2 = 2a^2 + 2c^2$

ab is given.

Finally, by hypoth. $2ab = 2a^2 + 2c^2$ and $2ad = 2a^2 + 2c^2$

ergo $ab = ad$. The figure is readily conceived.

Answers were likewise given by Messrs. Carr (the proposer), Walker, Park, and Paul.

(4.) QUEST. 848, answered by Mr. W. MARRAT, Boston.

By the property of the circle, $AB : AC :: AC : AD$

therefore $AD \cdot AB = AC^2 = DP^2$

by hypoth. But this equas. $AD \cdot AB = DP^2$ is

well known to be expressive of a parabola,

whose parameter is AB , the diameter of the

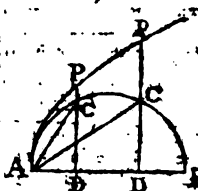
circle, and vertex A . Such, therefore, is the

locus of the point P .

Like answers were given by Messrs. Barley,

Covill, Glendinning, Geo. Gorry, Simpson, Wal-

ke, Whalley, York, and Toul.



(5.) QUEST. 849, answered.

Mr. A. Glendinning, and Mr. W. Simpson of Liverpool, observe that another datum is requisite to limit this question. For, since the $\perp$ sq. x must be a maximum, the $\perp$ must be a maximum which will be the case when the given dividing line coincides therewith; therefore the $\perp$ is given, likewise the ratio of the segments of the base made thereby; and the base itself a maximum, which is manifestly the case when it is infinitely extended.

* This is only a particular case of the general prob. at p. 278 of Wolstun's Algebra; where it is shewn that if the generating curve ACC, whose chord AC is made equal to the ordinate DP, is a parabola, whose parameter is a , then is APP an equilateral hyperbola, whose transverse axis is a ; if the generating curve ACC be such an equilateral hyperbola, then is APP a lemniscate hyperbola, whose parameter is a ; and transverse axis $\frac{1}{2}a$; if ACC be a cubic parabola, then the equation of the curve APP is of this form, $y^2 = ax^3 + bx^2 + cx + d$.

The problem will becom. limited if CD, the given from the vertex to the base, be supposed equal to CB, one of the sides of the triangle. In that case DF will be = FB; and when $FC \times AB$ is a maximum, $AAADFEAB$ since DF varies as $AC \times FD$ is a max. Thus the problem is reduced to Simpson's 18th theor. on Max. and Min.; or becomes a particular case included in the General Scholium at p. 41, *Genl. Diary* for 1798. Hence then, on CD as a diameter describe a semicircle; and, making $CE=ED$, draw the perpendicular EF to cut the curve in F; produce DF both ways till $FB=DF$, and till $AD:DB::5:4$, or, as 4:5; according as AC is greater or less than CB. Join AC, BC, and ABC is the required triangle.

Some gentlemen who attempted solutions failed.

(6) QUEST. 850, answered by Mr. W. WALKER.

Let a and b denote the sine and cosine of OP the latitude, and $x =$ the sine of GR the sun's rising amplitude, and $r =$ sine of ZHQ the hour angle from noon. Then, by trig. rad. $a : b :: x : r ::$ sine of CN the sun's declination; the cosine of $HBCR$ which is $\sqrt{1-b^2x^2}$. Also, by spherics, and the quest. $3x-4x^3 = 3$ times the sine of the sun's altitude = the sine of OB the alt. at 10 A. M. Whence (by Emerson's Trig. Calc. 8, p. 244, or Simpson's Trig. pr. 26, p. 75) $3x-4x^3 = bc \sqrt{1-b^2x^2 + abx^2}$; wherefore, $\left(\frac{3-ab-4x^2x}{bc}\right)^2 + b^2x^2 = 1$. From which equa. $x = .2224956 =$ sine of $13^\circ 51' \frac{1}{2}$ sun's amplitude. Hence $bx = .13390179 =$ sine of $7^\circ 41' 42''$, the sun's declin. answering to April 10th, the time required.

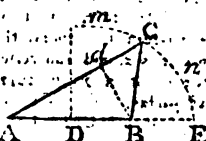


Mr. Glendinning answered by a similar process; and Messrs. G. Garry, W. Marvat, J. York, and J. Fouts, by means of different operations, obtained like results. The Rev. J. Furness also favoured us with a solution.

(7) QUEST. 851, answered by Mr. JOHN CAVILL, Brighton.

Let ABC be the triangle, and put $b=AB$, $x=ac$, s and $c =$ sine and cosine of the angle A, and $R^2 =$ given rectangle. Then $sb=Bd$, and $cb=Ad$; also (Euc. i. 47) $\sqrt{s^2b^2+x^2}=BC$, and $c^2+x=AC$; consequently, per quest. $s^2b^2+x^2 \times c^2b^2 + 2cbx+x^2=R^4$; that is, $b^2x^2 + 2cbx^2 + b^2x^2 + 2ac^2b^2x + c^2x^2b^2=R^4$, a biquadratic with all its terms; whence I conclude, that the question cannot be constructed independent of solid loci. Admitting this, a construction may be as follows:

Constr. To AB the given base (by Simpson's Geom. B. v. Pr. 18) add BE such that $AE \times BE$ may be equal to the given rectangle, with foci A, B, and semi-transverse DE (AB being bisected in D), describe an arc of a Cassinian Ellipse: draw AC intersecting mn in C, and making the angle $\angle MAC$ equal to the given angle; join BC,

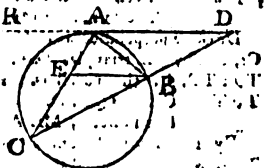


Demon. By const. $AB =$ the given base, $BAC =$ the given angle, and by the property of the Cassinian Ellipse, $AC \cdot BC = AE \cdot BE =$ the given rectangle. Q. E. D.

Solutions were likewise received from Messrs. Farnas, Glendenning, Gorry, Smith, W. Walker, and Youle.

(91) QUES. 854, answered by Mr. JOS. YOUNG, Warlap.

Let the figure be drawn as per question. Then, since AD and EB are parallel, the angle ADB is equal to the angle EBC ; and because AD is a tangent to the circle, the angles DAB and BCE are equal (Eucl. iii. 32). Therefore the triangles ADB and CBE are similar. Hence $BC : CE :: AD : AB$, and alternately $BC : AD :: CE : AB$. Q. E. D.



And thus was the analogy demonstrated by Mr. J. Crwill, Beighton, Mr. J. W. Dony, New Burlington-street, Rev. J. Farnas, Ponteland, and Mr. W. Walker, Horsforth.

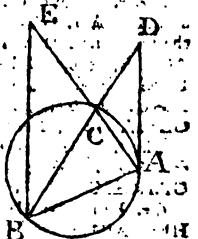
The same, by Mr. JOHN WHITLEY, Attercliffe.

Produce AD to any point R , and join AB . Then since $\angle CAR = \angle CBA$, their supplements are equal, viz. $\angle ABD = \angle CAD$; and because the angle ADB is common to the two triangles ABD , CAD , they are similar; wherefore $AD : AB :: CD : AC :: BC : CE$ (by reason of the parallels BE , AD); therefore, alternately, $BC : AD :: CE : AB$. Q. E. D.

The same, by Mr. W. SIMPSON, Liverpool.

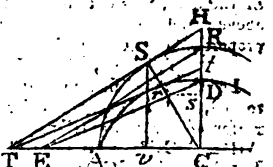
Drawing the figure as in the margin, we have (by Eucl. iii. 32) $\angle ABC = \angle DAE$; whence, and by reason of the parallels BE , AD , the triangles ECB , DCA , and DHA , are similar. Consequently, $BC : CE :: DC : CA :: DA : AB$, and permutando, $BC : DA :: CE : AB$. Q. E. D.

Other ingenious answers were given by Messrs. J. Bartley, Geo. Gorry, A. Glendenning, and N. Parnell, the proposer.



(92) QUES. 853, answered by Mr. COLE CAMPBELL, Liverpool.

Demonstr. Let CD produced meet the periphery of the circle described from the centre C with the radius CA , in S , R ; and let the tangent TSH meet CD in H . Then, by Conics, $CS : CR :: AC (=CR) : CD$; and $CS : CR :: CH : C$; therefore $CR : CD :: CH : C$, and permutando, $CR : CH :: CD : T$. $CE : CT :: CE : CT$; consequently TH , ER , are parallel. Wherefore the triangles TSC , ECR are similar: and because $CS = CR$, $CE = T$ consequently $CE^2 = TS^2 = TC \cdot T$; and therefore T is $CE : CE$. Q. E. D.



Mr. Nathan Poppel refers to *Ladies Diary*, 1783, p. 38, for a similar theorem.

Ingenious demonstrations and remarks were also given by Messrs. Cuill, Gorry, Murrat, Simpson, Walker, Whitley, and Young.

(11.) QUESIT. 855, answered by Mr. COLIN CAMPBELL,

Analysis. Suppose the thing done, and ABC the required triangle; draw BF to bisect the vertical angle, and cut the base AC in N; describe BD, EF, perpendicular to AC; and parallel to AC draw FR to meet BD produced in R; let the circumscripting circle AECF intersect BR in L, also let the inscribed circle touch AC in I. Then $AI \cdot IC = BD \cdot EF$, by Mr. Cunniffe's theorem at p. 40 of the *Gen. Diary* for 1798; and $AD \cdot DC = BD \cdot DL$; therefore $AI \cdot IC = AD \cdot DC = BD \cdot LR$; moreover, $BN \cdot BF :: BD : BR :: BD \cdot LR : BR \cdot RL = FR^2$, which is therefore given, and consequently FR or ED. *Ergo solutum.*



The same by Mr. JOHN WHITLEY, Auctoresse.

Analysis. Let O be the centre of the inscribed circle, GR the diameter of the circumscripting one cutting the base AC at right angles in E; draw HB parallel, and BD, OI, perpendicular to AC, and join BNF. Then, per similar triangles, $BF : BH :: FN : EN$; also, $BF : FN :: BH : ED :: EN : ED^2 :: ED \cdot EN = EI^2$ (as is well known); wherefore, *dividendo*, $BN : FN :: ED^2 - EI^2 : EI^2$. Now the rectangle $AI \cdot IC = AE^2 - EI^2$, and the rectangle $AD \cdot DC = AE^2 - ED^2$; the difference of which is $ED^2 - EI^2$. Wherefore, $BN \cdot FN :: AI \cdot IC - AD \cdot DC : EI^2$. But, by the question, three of these proportionals are given quantities, therefore the fourth, namely EI^2 , and consequently EI , will be given: hence the construction is obvious.

Mr. JOHN SAMUELSON, of Hyde.

From an analysis not very widely different from the first, we deduce this *Constructio*: Let GF be an indefinite line, at any point H, in which draw HB at right angles, and equal to EF, or ED, found above; from B apply the given line BF (= the line bisecting the vertical angle + its prolongation) to HF, and draw BG at right angles to BF, meeting FG in G. Describe a circle on FG, and through the given point N draw a line at right angles to FG, cutting the circle in AC; join AB, BC, and ABC will be the triangle required.

Another different Analysis, by Mr. GUNDENNING.

It is known that $AI \cdot IC = ED \cdot EF$ (Mr. Cunliffe's theor. *Diary* 1798); and $AD \cdot DC = BD \cdot DL$ (per circle); whence $BD \cdot EF = BD \cdot DL = EF = DL \cdot BD = GH \cdot HE = Q^2$, a given magnitude. Therefore, $GH : Q :: Q : HE = BD$; and by the last question (854), $GH : AM :: AM : EF$, or $HE : EF :: Q^2 : AM^2 ::$ (by similar triangles) $BN : NE$. Therefore AM^2 , and consequently AM are half the difference of the sides, is given.

Again, $PH : FB :: NB : EG$, consequently $FB \cdot NB = FH \cdot EG$ (by the last question) MB^2 ; whence MB , half the sum of the sides, is given. *Ergo solutum.*

Very good solutions were received from Messrs. *Cavill, Furness, Marat, Parnel, Simpson, and Walker*; most of whom referred to Mr. Cunliffe's theorem in this Diary for 1798.

(12.) *QUEST.* 856; answered by Mr. THO. LEITCHMAN, Royal Military College, Great Marlow, Bucks.

Let x denote the number whose hyperbolic logarithm is 1, and $p = 3.1415926$, &c. the semiperiphery of a circle whose radius is unity. Then, at p. 119, No. 156, vol. I. of *Euler's Introduction to the Analysis of Infinities*, there is the following expression, viz.

$$\left(1 + \frac{x^2}{p^2}\right) \times \left(1 + \frac{x^2}{4p^2}\right) \times \left(1 + \frac{x^2}{9p^2}\right) \times \left(1 + \frac{x^2}{16p^2}\right) \&c. \text{ ad infinitum.}$$

And by the property of logarithms, $\log. \left(\frac{x^2 - x^2}{2}\right) = \log. x + \log. \left(1 + \frac{x^2}{p^2}\right) + \log. \left(1 + \frac{x^2}{4p^2}\right) + \log. \left(1 + \frac{x^2}{9p^2}\right) + \&c.$ the fraction of

which divided by x gives $\frac{1}{x} + \frac{2x}{p^2 + x^2} + \frac{2x}{4p^2 + x^2} + \frac{2x}{9p^2 + x^2} + \&c.$ whence $\frac{1}{x} \left(\frac{x^2 - x^2}{2}\right) = \frac{1}{2x}$

$\frac{x}{p^2 + x^2} + \frac{x}{4p^2 + x^2} + \frac{x}{9p^2 + x^2} + \frac{x}{16p^2 + x^2} + \&c.$ Again, taking the fraction of this fraction, and dividing by x , there will be had $\frac{1}{x^2} + \frac{1}{(p^2 - x^2)^2} + \frac{1}{(4p^2 - x^2)^2} + \frac{1}{(9p^2 - x^2)^2} + \&c.$ Now put $\frac{m}{n} = x$, and the expression will become $\frac{1}{2 \left(\sin p\sqrt{\frac{m}{n}}\right)^2} = \frac{1}{2mp^2}$

$\frac{p^2 + \frac{m}{n}p^2}{\left(p^2 - \frac{m}{n}p^2\right)^2} + \frac{4p^2 + \frac{m}{n}p^2}{\left(4p^2 - \frac{m}{n}p^2\right)^2} + \frac{9p^2 + \frac{m}{n}p^2}{\left(9p^2 - \frac{m}{n}p^2\right)^2} + \&c.$ Multi-

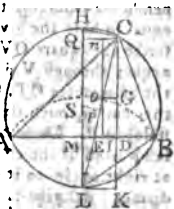
plying the preceding expression by $\frac{p^2}{n}$, after proper reduction there will be had

$$\frac{p^2}{2n(6n - p\sqrt{\frac{m}{n}})^2} = \frac{1}{2n} \left(\frac{1}{(4n-m)^2} + \frac{1}{(9n-m)^2} + \frac{1}{(16n-m)^2} + \&c. \right) \text{ Q. E. I.}$$

Thus also was the question answered by Mr. *James Cusliffe*, the proposer. — Mr. *A. Gledhill* likewise sent an ingenious answer.

(13.) QUEST. 857, answered by Mr. NATHAN PARNELLO.

Analysis. Let ABC be the triangle, CD its perpendicular, LH the diameter of its circumscribing circle, drawn at right angles to the base AB, O the centre of the inscribed circle, I the point of contact, E the intersection of the base and line bisecting the vertex angle, and CQ perpendicular to HL. Then, because the angle HLC, half the given difference of the angles AGB and CBA, is given, the triangle CLQ is given in species; and because the ratio MD (=CQ) to ID (=CD) is given, by reason of similar triangles we have the ratio of Co to CL given, and consequently that of Lo (=LB=LA) to CL, wherefore the triangle ABC is given in species, and consequently the ratio of ME to ID; and, by the question, the rectangle ME.ID is given; therefore ME may be easily determined, and the triangle constructed.



A different Analysis, by Mr. W. SIMMONS.
By supposition, ID:2MD, or ME:2ID::2ME:2MD, is a given ratio; and 2ME.ID being given, of course 2ME:2MD::2ME.ID (as is well known) is given; whence MI becomes known. Again ME.MD = ME.ID = ME.MI, is given, and MI being known, we soon know EM. Now in the figure there are given the positions of M, E, I, and D, together with the angle MLE = ECD = half the given angle; whence a construction is manifest.

Similar to this was the Analysis by Captain *Gid. Gorry*.

The Composition, by Mr. J. S. Youle, Warson, Notts.

Construction. Draw any right-angled triangle LQC, making the angle L = half the given difference of the angles at the base. Take Co to CL in the given ratio of the segments included between the point of contact of the inscribed circle and the perpendicular, and half the diff. of the segments of the base made by the perpendicular; take also EL = a third proportional to CL and Lo. Bisect CL with the perpendicular pS, meeting LQ in S; from S with the radius SL describe a circle, and through E draw AB perpendicular to LH, meeting the circumference in A and B; draw AC and BC, then will the triangle ABC be similar to the required one; whence the triangle itself may be readily drawn.

Demon. Let OG be drawn parallel, and OE perpendicular to AB. Since Io is a mean proportional between LE and LC, it is well known

that o is the centre of the inscribed circle; hence I is the point of contact. Now, because the triangles oGG , oEI , and MEL , are similar, it will be, as $oG (= ID)$, the base of one triangle, is to MG , the sum of the bases, so is oC , the corresponding hypotenuse, to EL , the sum of the hypotenuses, which is in the given ratio, by construction. And the angle L is well known to be $\frac{1}{2}$ the diff. of the angles of the base. Q. E. D.

Want of room alone prevents the insertion of some of the solutions by Messrs. Campbell, Cavill, Furness, Gladenning, Sidebottom, and Walker.

(14.) QUEST. 858, answered by Mr. JOHN SIDDEINGTON.

Construction. With the given radius describe the circle ARB ; draw the diameter RS , and QP perpendicular thereto, to meet the circle in P , and equal to half the given difference of the sides; describe the square QV equal to half the given rect. angle; through V draw the hyperbola Vx , having the asymptotes QT , QS . This hyperbola will either cut or touch the circle (if the problem be possible) in B . Draw the chord BA perpendicular to RS ; from D the centre of the circle draw DB , and at right angles to it draw BE to meet RS produced in E . On DE as a diameter describe the circle $DBCEA$; from P through D draw a line to meet this circle in C ; join AC , BC , and the thing is done.



Demon. Draw PG perpendicular to BA . By construction, and the property of the hyperbola, $QV \times FB = PG \cdot AB$, is equal to the given rectangle; and it is well known that D is the centre, and DB the rad. of the circle passing through the centre of the inscribed circle; also through the centre of that touching the base and sides produced of the triangle ABC ; also $PQ \times SF = \frac{AC - BC}{2}$; therefore (vide *Leibniz's REPO-*

sition, vol. II. art. 2), FG is the radius of the circle touching the base AB , and the prolongations of the sides CA , CB . Q. E. D.

Remark. When the hyperbola cuts the circle, it cuts it in two points, neither of which will answer the conditions of the problem; and, when it touches the circle, the rectangle will be the greatest possible. Let it touch the circle at B , and draw the common tangent to meet DE produced in F ; then, by the property of the hyperbola, $FQ = FQ$; and, by that of the circle, $DB \cdot DF = DE^2 = 2DF \cdot DQ$, whence the construction may, in this case, be readily suggested.

Mr. W. Walker says, "I am sorry to add that I made a mistake when I was transcribing this question into my last letter, by writing *rectangle* instead of *sum* (see the third line in the question), in which case it would have been a plane problem."

Ingenuous answers and remarks were received from Messrs. 597 M, Furness, Gladenning, Simpson, Wobley, and Yaula.

(15.) QUEST. 859, answered by Mr. W. SIMPSON.

Analysis. Suppose the thing done: ACB the required triangle, PIC the line bisecting the vertical angle, O and S the centre of the circumscribing and inscribed circles, and OP perpendicular to FC .

By

(16) QUEST. 860, answered by Mr. COLIN CAMPBELL, the Proposer.

Analysis. The thing being supposed done, bisect AC in O, join OD, draw OW parallel to BC, and divide EA in L in the given ratio of AD to DB. Then will $AB:AD::AE:AL$, of *permutando et dividendo*, $BE:LD::AE:LA$, therefore because the ratio of OW:BE is given, that of OW to LD is given. Now, produce OD to H so that $OW^2:ED^2::AW:WD::DH^2$, and *permutando et comparando* $OW^2+AW:WD::AW:WD::OD^2:DH^2$ (Simon's *Euc. Lib. 2. p. 427*; Hutton's *Geom.* the. 39), and, having joined LH, $LD^2+DH^2=LH^2$; therefore $OD^2:AW:WD::LH^2:DH^2$ and *permutando* $OD^2:LH^2::AW:WD:DH^2::OW^2:LD^2$, consequently, $LH^2:DH^2$ is given. Moreover, since by hyp. the ratio of AD:DB is given, that of $AW:WD$ is given; as are therefore the ratios of AW and WD to AD, consequently the ratio of $AW:WD:AD^2$ is given, wherefore the ratio of $AD^2:DH^2$ or AD:DH is given. Hence the angle HAD is given, and therefore the point H.

Construction. In any indefinite line take $AE=AB+BE$, divide it in L in the given ratio of AD:DB, and let LA:P be the given ratio of BC:BE; bisect AE in N, and determine Q such that $NA:NL::AL^2:AE^2::Q^2$; then perpendicular to AE draw EM a fourth proportional to Q, P, and AE, and draw AM, to which (produced) apply LH a fourth proportional to AE, P, and AC; also on AE describe the perpendicular HD, to which (produced) apply the given side AC, and having taken DB:DA::EL:LA, join BC, and ABC will be the triangle required.

Demon. From W, the middle of AB, draw WO parallel to BC, and join DO. Since, by construction, $DB:AD::LE:LA$, *comparando et dividendo*, $AW:AD::AN:LA$, and $WD:AD::NL:LA$, therefore $AW:WD:AD^2::AN:NL:LA^2::AE:Q^2$ by construction. Also $AD^2:DH^2::AE^2:EM^2::Q^2:P^2$ by construction, wherefore $AW:WD:DH^2::AE^2:P^2::AC^2:OD^2:LH^2$, consequently, *invertendo*, $AW:WD:OD^2::DH^2:LH^2$, but $OD^2=AW:WD+WO^2$, and $LH^2=LD^2+DH^2$, wherefore $AW:WD+WO^2::DH^2:LD^2+DH^2$, and *convertendo*, $AW:WD+WO^2::DH^2:LD^2$; wherefore, *invertendo*, $AW:WD:DH^2::WO^2:ED^2:AE^2:P^2$, consequently $WO:LD::AE:P$. Moreover, because $AD:AB::LA:AE$, $AD:LA::AB:AE$, and *dividendo* $LD:LA::BE:AE$, wherefore, *ex æquo*, $WO:LO::AE:P$, or $WO=BC:BE::LA:P$. Q.E.D.

Mr. J. Wright's solution was reluctantly struck out at the press. We regret too that we have no room to insert some of the curious solutions by Messrs. Cavill, Funness, Gindening, Parnell, Simpfon, Winter and Yaulo.

(17) QUEST. 861, answered by Mr. COLIN CAMPBELL.

Analysis. Suppose the thing done, and ACB the triangle required: draw the perpendicular CD and to AD apply $CI=CB$, so will AI = the second datum, which divide in Q in the given ratio of AC:CI, and having taken



Q, with the radius QQ will pass through the vertex C, by the Lemma at p. 334, *Simpson's Algebra*. Now, bisect AI in E; join EC, and the triangle ECD will be a maximum, being $\frac{1}{2}$ ACB; wherefore a tangent drawn to the circle at C will meet ET, a parallel to CD, in T, and AT in H, will be bisected at the point of contact, that is, TC will be $\frac{1}{2}$ CH, by *Simpson on the Max. and Min. of Geom. Quan.* Schol. to Prop. 8. Whence QD.DK = HD.DO = ED.DO; therefore $QQ + OD . QQ - OD = EQ + OD . QD$, or $QQ^2 - OD^2 = EO . OD + OD^2$, consequently $QQ^2 = DO . \frac{1}{2} DO + OI$, or $\frac{1}{2} QQ^2 = DO . OD + \frac{1}{2} OI$, wherefore OD is given. *Ergo solvunt.*

Constr. In an indefinite line take AI = the second datum, and by the Lemma, ibid, describe a circle such that lines drawn from A, I, to meet any where in the periphery shall always maintain the given ratio of the sides; then, AI being bisected in E, let it cut the circle of which O is the centre in Q, and determine OD, so that $\frac{1}{2} QQ^2 = OD . DO + \frac{1}{2} OE$; draw the ordinate DC, to AI produced apply CB = CI; join A, C, and ABC is the triangle required.

Demon. Erect the normal ET, and at C draw the tangent TH, to meet AB in H: Since $QQ^2 = OD . \frac{1}{2} DO + OE$; $QQ^2 - OD^2 = EO . OD + OD^2$; consequently QD.DK (K being the other extremity of the diam.) = DC² = HD.DO = ED.DO, therefore HD = ED; wherefore, by *Simpson on Max. and Min.* (as above), the triangle ECD is a max. it is therefore its double the triangle ACB. Q.E.D.

The Composition, by Mr. J. WRIGHT, Jun. the Proposer.

Construction. Take AI = the given difference of the segments of the base, which divide in Q so that AQ:QI in the given ratio of the sides; also, in AI produced find the point O such that OQ:OA is the ratio AQ:QI, with which point as a centre and radius OQ describe a semicircle, and having bisected AI with the indefinite perpendicular ET, let the right line TH, terminated by ET and AI produced, be drawn to touch the semicircle, so as to be bisected in the point of contact C: demit CD perpendicular to AH, and from D towards H let DB = DI: then draw AC and CB, and ACB is the triangle required.

Demon. Draw IC, and complete the parallelogram EDCF. Then, because ID = DB; AD = DB = AI the given difference, by construction; for the same reason is IC = BC, and by const. and Prop. 23, 3. 4, *Euclid's Geom.* AC:CI(CB):AQ:QI the ratio given. Lastly, by const. AE = EI, and ID = DB, therefore BD = half AB, and consequently the area of the triangle ABC is equal to that of the parallelogram EDCF, which, as is well known, is a maximum when IC = CH, as by construction. Q.E.D.

Another solution, by Mr. N. PARKER, Schoolmaster, Muncaster.

On any indefinite right line take AI the given difference of the segments, which divide at Q in the given ratio of the sides, and on AI produced, describe the semicircle QC, from O as a centre, such that any two lines AC and IC being drawn to meet in the periphery

* For the method of doing this see the solutions of Q. 819, *Geometrian's Diary*, 1824 of which problem it is that particular case where the given ratio becomes that of equality.

they shall all have the given ratio, and $\angle A$ is 60° . Then from O take OD such that $OD^2 + \frac{1}{2}EG \cdot OD = \frac{1}{2}OC^2$, erect the perpendicular DE , and take $DB = DE$; join A, C, B, G , so shall ACB be the triangle required. For, draw MG a tangent at G , perpendicular to which draw EG and DN , and indefinitely near CD draw CD parallel to MG and EC and BC will be a right angle, if the triangle ACB be a max. its half $\angle BCD$ will be 45° and consequently the triangle BCE is the space of BC , that is $EG \times EG = CG \times DN$, or $EG = DN$: therefore, by similar triangles $ED = DH$; hence $DO + EO = DE = HB = DH = OD$, or $DO = EO$, or $OD^2 + EO \times OD = OD^2 + \frac{1}{2}EO \times OD = \frac{1}{2}OC^2$, as per construction. Q. E. D.

Very ingenious solutions were also given by Messrs. CANN, PARNES, CHANDLER, GERRY, SIMPSON, SILSBETON, SMITH, WALKER, WENTLEY, and FOLEY.

THE PRIZE QUESTION.

In consequence of being proposed with a reference to the Diary for 1798, a few ingenious persons have not been answered; for the request of several correspondents, the Editor has now re-printed it, not doubting that he shall be favored with some elegant investigations another year.

Now Mathematical QUESTIONS, to be answered in next Year's DIARY.

(1) QUEST. 863. by ANONYMATOR.

The absciss of a parabolic garden is $\frac{1}{2}$ of its bounding double ordinate, and its content is half an acre. Required the width of a walk which shall completely surround the garden, and be of equal breadth in every part, so that it may take up half a rood? The tyro is reminded that the outward boundary of the walk is not a parabola.

(2) QUEST. 864: by MR. NEWTON BOSWORTH, Teacher of Mathematics, Cambridge.

The solidity of a cone, whose centre of oscillation coincides with the centre of its base, is 226.19684 feet. How long will it take in rolling down its slant side?

(3) QUEST. 865: by MR. W. MARRAT, Boston.

On April 16th, 1803, at 8 o'clock A.M. a man standing, on the West side, at some distance from an upright wall, which runs directly North and South, observed that the shadow of the top of a pole which he held perpendicular to the horizon just coincided with the shadow of the top of the wall, on an horizontal plane: he instantly measured the nearest distance from the extremity of the pole's shadow to the bottom of the wall, and found it to be 30 feet. Required the height of the wall; the length of the pole being 6 feet, and the latitude of the place $53^\circ 10' N$.

(4) QUEST. 868: by CAPT. GEO. COOPER.

Two bodies, whose magnitudes are as 2 to 1 (5 to 1) move at the same instant from the same extremity of the diameter of a circle, with equal velocities through the opposite semicircles. Required the relative areas of the parts into which the circle is divided by the path of the common centre of gravity of the two bodies, when they have arrived at the opposite end of the diameter; the diameter itself being 20?

(5) QUEST.

(5) QUEST. 867: By THE REV. J. PURNACE, Ponteland.

Suppose that a person was, raised vertically over Newcastle upon-Tyne, on the 14th of May 1802. at midnight, so high that the sun appeared to him so be rising; just at that moment he began to fall: required the velocity and time of his falling to the earth's surface, its diameter being 7950 miles, and the force of attraction above the surface inversely as the square of the distance from the centre. Allowed as to be made for equidiameter and parallax only.

(6) QUEST. 868: by MR. JOHN WATTS, Antislavery Academy.

Given the absciss AP, and ordinate PM of a parabola; 30 and 64 respectively. Now, if from the extremity M of the ordinate a right line MN be drawn parallel to PA the absciss, it is required to determine the content of the solid generated by the revolution of the parabola about the said line.

(7) QUEST. 869: by MR. JOHN SIDESBOTHAM, Hyde.

In a country chapel near Manchester a gentleman has lately planted a yew-tree, and enclosed it with an iron paling, consisting of upright pikes fixed in stone at their bottom ends, and supported above by two equal circular rings parallel to each other and to the horizon. The sum of the squares of the diameter of one of these circles and the distance between them is 14085 inches; and a line drawn from the periphery of the higher circle to the centre of the lower makes an angle with one drawn from the same point in the periphery of the higher, diagonal-wise, to the opposite point in the periphery of the lower equal to $150^{\circ} 23' 28''$. Required the diameter and distance of the circles, and the time on Sept. 1st, 1804, A. M. when the shadow of the rings will come into contact on a plane 3 feet 4 inches below the lower ring, the latitude of the place being $53^{\circ} 27'$.

(8) QUEST. 870: by MR. A. GLENDENNING, Yarmouth.

Given the height and length of an inclined plane, to find geometrically the position of a portion of that plane equal to its altitude, through which a body (commencing its motion at the top of the plane) will pass in the same time as it would fall through the whole perpendicular height.

N. B. This ingenious gentleman is preparing for the press a Treatise on the Theory and Practice of Navigation.

(9) QUEST. 871: By MR. NATHAN PARNELL, Nuneaton.

Show, that if BD be drawn from the vertex B of a plane $\triangle ABC$, to any point D in the base, $BD^2 \cdot AC = AB^2 \cdot DC + BC^2 \cdot AD - AC \cdot AD \cdot DC$.

(10) QUEST. 872: by T. PEARSON, Esq. A. B. Fellow of St. John's College, Cambridge.

If, in 4TH PRIN. EUCL. I. (Dr. Sturton's edition) DP , EM be joined, it is required to prove that the triangles PBD , MCE are equal.

(11) QUEST. 873: by MR. JOHN WRIGHT, Junr. Norfolk.

To find three numbers such, that the difference between any two of them may be a square number, and that their squares may be in arithmetical progression.

(12) QU

48 . . . Prize Question. 1804.

(12) QUEST. 874: by CAPT. GEO. GORRY.

Engineers have sometimes found in the construction of common lifting pumps that the water could not by working be raised to the piston, though it was not 33 feet from the water. It is required to shew the reason of this circumstance; and also, when the distance of the piston, in its highest position, from the water's surface is given, to find the length of the stroke, and *vice versa*, so as to insure the delivery of water by the pump.

(13) QUEST. 875: by Mr. COLIN CAMPBELL, Liverpool.

Given the sum of the sides, the vertical angle, and the length of a line drawn (from one of the angles at the base) to divide the opposite side in a given ratio; to construct the plane triangle.

(14) QUEST. 876: by Mr. JOHN WRIGHT, Junr.

Given the perimeter, and the difference between two of the sides of a plane triangle, to construct it when the area is a maximum.

(15) QUEST. 877: by Mr. T. BARBER, A. B. St. John's Coll. Camb.

Let ABC be a quadrant revolving about CB, one of its radii, placed $\perp$ to the horizon: it is required to determine the periodic time; so that a ring placed upon it at a given point D may remain at rest on the arc.



PRIZE QUESTIONS by the late Mr. W. WALES, F. R. S.; re-proposed by the late Rev. CHARLES WILDBORE, Broughton Sulney.

To find the declination of that star, whose change in azimuth is a maximum or minimum in a given time, reckoned from the time that it transits a given almucantar in a given latitude. *Ex. gr.* Suppose the latitude of London, the time one hour, and the almucantar 15° above the horizon.

This question is re-proposed in order to obtain the investigation of a simple solution, requiring only to find a mean proportional to two given right lines.

*** The first Mathematical Prize of ten Diaries is fallen to the lot of Mr. Nathan Pirncl, of Nuneaton; for solving the 17th Question. The second Prize of eight Diaries to Mr. A. Glendannine, Yarmouth, for truly solving the greatest number of questions. The first poetical Prize of nine Diaries is fallen to the Venerable Rusticus, of Warrington near Boston, for his answer to the Prize Ænigma. The second poetical Prize of nine Diaries to Mr. B. Kemp, of Farnsfield, for his General Answer. These gentlemen will please to send for their respective prizes to Mr. G. GREENHILL, at Stationers'-Hall.

All Letters for the use of the Diary must be directed as usual to "The Author of the Gentleman's Diary, Stationers'-Hall, London;" they must be franked or post-paid, and, at latest, arrive before May 1st, 1804. Letters, from Mr. John Johnson, Birmingham; containing ingenious solutions to Questions 4, 8, 9, 10, 11, 13, and a new Math. Quest.; and from A Yorkshire Ploughboy, containing General Answers to Ænigmas, Rebuses, Queries, &c. with a new Ænigma, did not arrive till the greater part of this page was copied for the press. Mr. T. Coulton's second letter came to hand about the middle of June; his first not at all.

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2 **CHRONOLOGY OF REMARKABLE EVENTS.** 1804.

<i>N. of Chron.</i>	<i>Y. succ.</i>	<i>T. of Chron.</i>	<i>Y. succ.</i>
1600 King Charles I. born	204	1714 Q. Ann died, K. Geo. I. succ.	90
1603 Q. Eliz. died, K. Ja. succ.	204	1715 Rebellion in the north	89
1603 A great Plague in London	201	1716 A. very great frost	88
1605 Popish Gun-powder Plot	199	1726 Sir Isaac Newton died	78
1616 Shakespeare the poet died	188	1727 K. Geo. I. died, Geo. II. succ.	77
1625 K. James died, Cha. I. succ.	179	1739 War against Spain declared	65
1641 Bloody Irish massacre	163	1739 A very great frost	65
1642 Sir I. Newton born, Dec. 25	162	1743 A great comet appeared	61
1649 K. Charles I. beheaded	155	1744 War against France declared	60
1658 Oliver Cromwell died	146	1745 Rebellion in Scotland	59
1660 K. Charles II. restored	144	1748 A general peace	56
1662 Royal Society instituted	142	1750 Westminster bridge finished	54
1665 Died of the plague 68,586	139	1752 Date and Calendar altered	52
1666 Great fire in London	138	1756 War against France declared	48
1666 War against Denmark decl.	138	1760 K. Geo. II. died, G. III. succ.	44
1667 Peace with Hol. Fr. & Den.	137	1762 American philos. soc. instit.	42
1672 War against Holland decl.	132	1762 War against Spain declared	42
1672 Halfpence & Farth. coined	132	1763 Peace with France & Spain	41
1674 Peace with Holland procl.	130	1765 Oshette discovered	39
1679 Habeas Corpus act passed	125	1770 Blackfriars bridge finished	34
1685 K. Cha. II. died, Ja. II. succ.	119	1772 A revolution in Denmark	32
1688 Prince of Orange landed	116	1772 A revolution in Sweden	32
1688 K. James II. abdicated	116	1775 War against America begun	29
1689 Wm. and Mary crowned	115	1776 America declared independent	28
1693 Hackney coaches established	111	1778 French treaty with America	26
1702 K. Wm. died, Q. Ann suc.	102	1778 War against France begun	26
1702 War against France declared	102	1779 War against Spain begun	25
1707 England & Scotland united	97	1780 War against Holland begun	24
1713 Peace with France procl.	91	1783 A general peace	21

BIRTH-DAYS, [N. S.] and YEARS, of the ROYAL FAMILY of GREAT BRITAIN.

KING GEORGE III. June 4, 1738	Duke of Cambridge, Feb. 24, 1774
Prince of Wales, August 12, 1762	Princess Mary, April 25, - 1776
Duke of York, August 16, 1763	Princess Sophia, Nov. 3, - 1777
Duke of Clarence, Aug. 21, 1765	Princess Amelia, Aug. 7, - 1783
Duchess of Wirtem. Sept. 29, 1766	Queen Charlotte, May 19, - 1744
Duke of Kent, Nov. 2, - 1767	Duchess of Brunsw. Aug. 11, 1737
Prs. Augusta Sophia, Nov. 2, 1768	Duke of Gloucester, Nov. 25, 1743
Prs. Elizabeth, May 22, - 1770	Princess of Wales, May 17, 1763
Duke of Cumberland, June 5, 1771	Duchess of York, May 7, 1767
Duke of Suffex, Jan. 27, - 1773	Prs. Charlotte of Wales, Jan. 7, 1796

YEARS of BIRTHS of the Principal SOVEREIGN PRINCES of EUROPE.

Victor Emanuel K. of Sardinia	Charles, IV. King of Spain, 1748
Alexander, Emperor of Russia 1777	Christian VII. K. of Denmark, 1749
Maria, Queen of Portugal - 1734	Ferdinand IV. King of Sicily, 1751
Frederic V. King of Prussia, 1770	Selim III. Grand Seigneur - 1761
Gustavus IV. King of Sweden, 1778	Pius VII. Pope - 1742
Francis II. Emp. Germ. - 1767	Bonaparte, consul of France 1769

N^o 191. January hath xxxi. Days. 3

Last Quarter, 4th, 5am. past 9 night.
 New Moon, 22th, 3m. past 9 night.
 First Quarter, 10th, 47m. past 9 night.
 Full Moon, 29th, 58m. past 8 night.

Sun enters 22
 zod. 16h. 9m

A	Circumcision; S. aft. Chr.	8	53	55	23	6	9	2	11	19
M			4	56			1	10	23	20
Tu			4	56	22	55	11	31		21
W			3	57		50	morn			22
Th			2	58		44	9	42		23
F	Epiphany: <i>Fawlfib-day: Old</i>	1	59		37	1	53			24
S	[<i>Christmas Day</i>]	0	4	0	30	3				25
A	1 Sunday after Epiphany	0	0	0	22	4	16			26
M	Plough Monday [Lucian]	7	59	1	14	5	21			27
Tu			58	2	6	6	20			28
W			57	3	21	57	7	22		29
Th			56	4		48	D sets		N	
F	Hilary: Cam. Ter. b. Old		54	6	38	4	2	47		2
S	Off. Term b. [<i>New-Y. day</i>]		53	7	29	6	10			3
A	2 Sunday after Epiphany		52	8	18	7	33			4
M			51	9	7	8	56			5
Tu			50	10	20	55	10	18		6
W	Queen Char. birthday kept		48	12	44	11	42			7
Th	[<i>Prisca. Old Fawlfib Day</i>]		47	13	34	morn				8
F	Fabian		46	14	19	1	8			9
S	Agnes		44	16	6	2	31			10
A	3 Sunday after Epiphany		43	17	19	52	4			11
M	Hilary Term b. [<i>Vincent</i>]		41	19	39	5	14			12
Tu			40	20	25	6	16			13
W	Conversion of St. Paul		38	22	11	7	13			14
Th	(eclipsed, visible)		37	23	18	56	D rises		F	
F	Du. of Suffex born 1773		35	25	41	5	2	21		16
S			34	26	26	6	38			17
A	Septuagesima Sunday		32	28	10	7	54			18
M	K. Charles I. mart. 1649		31	29	17	54	9	4		19
Tu			29	31	38	10	15			20

L. of D.	Day Inc.	D. breaks	Tw. ends	Sun East	Chr. sets	7 Stars	So
7	50	6	6	41	3 33	8	45
	58	14	5	43	5 53		23
8	6	22	54	46	8		1
	18	34	49	49	9 54	7	40
	32	48	44	53	11 30		1
	46	2	38	58	12 47	6	

Last Quarter, 3d, 28m. past 7 aftern.

New Moon, 11th, 9m. past 11 morn.

First Quarter, 18th, 23m. past 5 morn.

Full Moon, 25th, 40m. past 12 noon.

Sun enters 9^h

19d. 6h. 46m.

M ^d	W ^d	Sundays, Holidays, &c.	Sun rises	Sun sets	Sun's decl.	D ^{rises} & sets	D ^s Age
1	W		7 27	4 33	17 21	11 a 27	21
2	Th	Purif. or Candlemas day.	25	35	4	morn	22
3	F	Blasf	24	36	16 47	0 39	23
4	S		22	38	29	1 51	24
5	A	Sexagesima Sunday Agatha	20	40	11	3 3	25
6	M		19	41	15 53	4 7	26
7	Tu		17	43	35	5 5	27
8	W		15	45	16	5 51	28
9	Th		13	47	14 57	6 29	29
10	F		11	49	38	6 50	30
11	S	☉ eclipsed, visible	9	51	18	D sets	N
12	A	Quinq. or Shrove Sunday	8	52	13 59	6 a 33	2
13	M	Hilary Term e. [Candl. d.	6	54	39	7 57	3
14	Tu	Shrove Tu: Valentine: Old	4	56	19	9 21	4
15	W	Ash Wednesday	2	58	12 58	10 50	5
16	Th		0 5	0	38	morn	6
17	F	Camb. T. divides noon	6 58	2	17	0 18	7
18	S		56	4	11 56	1 45	8
19	A	Quadra. or 1 Sun. in Lent	54	6	35	2 3	9
20	M		52	8	14	4 8	10
21	Tu		51	9	10 52	4 58	11
22	W	Ember Week	49	11	31	5 31	12
23	Th		47	13	9	5 56	13
24	F	St. Matthias: D. of Cambri.	45	15	9 47	6 13	14
25	S	[born 1774	43	17	25	D rises	F
26	A	2 Sunday in Lent	41	19	3	6 a 49	16
27	M		39	21	8 40	7 59	17
28	Tu		37	23	18	9 10	18
29	W		35	25	7 55	10 22	19

Days	L. of D.	Day Inc.	D. breaks	Tw. ends	Sun East	Cl. bef. S.	7 Stars So.
1	9 6	1 22	5 32	6 28	5 3	13 53	6 a 34
6	22	38	24	36	9	14 25	13
11	42	58	16	44	14	38	5 53
16	10 0	2 16	7	53	20	31	34
21	18	34	4 58	7 2	26	5	15
26	38	54	49	11	32	13 23	4 46

N^o 101. March hath xxxi Days. 5

Last Quarter, 4th, 52m. past 3 aftern.
 New Moon, 11th, 51m. past 10 night.
 First Quarter, 18th, 42m. past 2 aftern.
 Full Moon, 26th, 21m. past 5 morn.

Sun enters: ♉
 20d. 7h. 3m.

1	Th	David	6	33	5	27	7	37	12	35	20
2	F	Cbad		31		29		9	morn		21
3	S			29		31	6	17	0	47	22
4	G	Sunday in Lent		27		33		23	1	55	23
5	M			25		35		0	2	58	24
6	Tu			23		37	5	37	3	45	25
7	W	Perpetue		21		39		14	4	24	26
8	Th			19		41	4	59	4	64	27
9	F			17		43		27	5	16	28
10	S			15		45		4	5	33	29
11	G	4th or Midlent Sunday		13		47	3	40	5	sets	N
12	M	Gregory		11		49		16	6	58	2
13	Tu			9		51	2	53	8	30	3
14	W			7		53		29	10	1	4
15	Th			5		55		5	11	32	5
16	F			3		57	1	42	morn		6
17	S	St. Patrick		1		59		18	0	56	7
18	G	5 Sunday in Lent. Edw.	5	59	6	1	0	54	2	7	8
19	M	[K. W. Sax.		57		3		31	3	4	9
20	Tu			55		5		7	3	42	10
21	W	Benedi		53		7	0	17	4	7	11
22	Th			51		9		40	4	28	12
23	F	Cam. Ter. ends		49		11	1	4	4	45	13
24	S	Orf. Term ends		47		13		28	4	58	14
25	G	Palm Sunday: Lady Day		45		15		52	5	21	15
26	M			43		17	2	15	5	rises	F
27	Tu			41		19		38	8	16	17
28	W			39		21	3	2	9	27	18
29	Th	Maundy Thursday		37		23		25	10	38	19
30	F	Good Friday		36		24		48	11	49	20
31	S			34		26	4	12	morn		21

Days	Le.	of D.	Day Inc.	D. breaks	Tw. ends	Sun East	Cl. bef. S.	7 Stars	39					
1	10	54	3	10	4	42	7	18	3	37	12	39	4	21
8	11	14	2	30		31		29		43	11	32		23
15		34	1	50		20		40		49	10	16		35
22		54	4	10		10		50		56	8	52	3	26
29	12	14	3	30		0	8	0	8	2	7	42		28
36		34	2	50	3	42		12		3	5	40		10

Last Quarter, 3d. 24m. past 9. morn.
 New Moon, 11th. 16m. past 8. morn.
 First Quarter, 16th. 35m. past 11. night.
 Full Moon, 24th. 22m. past 10. night.

1	G	Easter Day	5	32	6	28	4n35	om53	22
2	M	Easter Monday	30	30		58	1	45	23
3	Tu	Easter Tuesday	28	32	5	21	2	32	24
4	W	Easter Wednesday	26	34		44	3	10	25
5	Th		24	36	6	6	3	25	26
6	F	Old Lady Day	22	38		29	3	44	27
7	S		20	40		52	4	11	28
8	O	1 Sun. af. Easter or Low S.	18	42	7	14	4	17	29
9	M		16	44		37	4	32	30
10	Tu		14	46		59	D sets		N
11	W	1st & 2nd Term begin	12	48	8	21	5	8	2
12	Th		10	50		43	10	39	3
13	F		8	52	9	5	11	59	4
14	S		6	54		26	morn		5
15	O	2 Sunday after Easter	5	55		48	1	3	6
16	M		3	57	10	9	4	48	7
17	Tu		1	59		32	5	19	8
18	W	Easter Term begins	4	39	7	11	5	12	9
19	Th	Alphage	57	3	11	12	2	59	10
20	F		55	5		33	3	12	11
21	S		53	7		53	3	25	12
22	O	3 Sunday after Easter	51	9	12	13	3	38	13
23	M	St. George	50	10		33	3	51	14
24	Tu		48	12		57	Doubles		15
25	W	St. Mark Prs Ma. 6. 1776	46	14	13	13	8	35	16
26	Th		44	16		32	9	44	17
27	F		42	18		52	10	50	18
28	S		40	20	14	11	11	46	19
29	O	4 Sunday after Easter	39	22		10	morn		20
30	M		37	23		48	0	33	21

Days	of D.	Day Inc.	D. breaks	17	18	Sun	East	Ch. set S.	7 Stars	So
1	12	16	5	12	3	31	6	15	3	57
6	13	16	3	34	19	4	2	22	2	48
11	13	16	5	54	4	2	28	0	2	39
16	14	16	6	10	52	9	11	0	0	11
21	14	16	30	28	0	25	39	0	1	38
26	12	16	48	23	40	45	2	20	2	14

Last Quarter, 2d, 7m. past 11 night.
 New Moon, 9th, 2m. past 4 aftern.
 First Quarter, 16th, 19m. past 11 morn.
 Full Moon, 24th, 51m. past 1 aftern.

Sun enters II
 20d. 20h. 9m.

1 Tu	St. Philip and James	4	35	7	25	15	n	6	1	m	7	24
2 W			34		26			24	1	33		23
3 Th	Invention of the Cross		32		28			42	1	54		24
4 F			30		30			59	2	19		25
5 S	[John Ev. a. P. L.]		28		32	16	16	2	20			26
6 G	3th or Rogation Sunday		27		33			33	2	40		27
7 M	Duchefs of York born 1767		25		35			50	2	56		28
8 Tu			23		37	17	7	3	13			29
9 W			22		38			23	D	fets	N	
10 Th	Ascension, or Holy Thur.		20		40			39	9	a	35	2
11 F			19		41			54	10	48		3
12 S	[Old Mayday]		17		43	18	9	11	43			4
13 G	Sunday after Ascension		16		44			24	morn			5
14 M	Easter Term ends		14		46			39	0	20		6
15 Tu			13		47			53	0	45		7
16 W	[Oxf. T. ends.]		11		49	19	7	1	6			8
17 Th	Princess of Wales b. 1768		10		50			21	1	24		9
18 F	[Dunstan]		8		52			34	1	36		10
19 S	Queen Charlotte b. 1744.		7		53			47	1	49		11
20 G	Whit-Sunday		6		54	20	0	2	1			12
21 M	Whit-Monday		4		56			12	2	14		13
22 Tu	Whit-Tues. Prs. Elizab. b.		3		57			24	2	30		14
23 W	Ember Week		2		58			36	2	48		15
24 Th	Ember Term divides noon		0	8	0			47	D	rises	F	
25 F			3	39	1			58	9	a	35	17
26 S	Augustin 1st Abp. of Cant.		58		2	21	9	10	30			18
27 G	Trinity Sunday. Van. Beds		57		3			19	11	17		19
28 M			56		4			29	11	35		20
29 Tu	King Charles II. restored		55		5			38	11	58		21
30 W	Ember Term begins		54		6			47	morn			22
31 Th	Corpus Christi		53		7			56	0	36		23

Days	L. of D.	Day Inc.	D. breaks	Tw. ends	Sun East	Cl. aft. S.	7 Stars	So
1	14	50	7 6	2 5	9 59	6 50	3 6	6
6	15	6	22	1 51	10 13	56	37	27
11		22	38	29	35	9	54	28
16		38	54	6	50	5	57	28
21		54	8 38	0 20	11 36	9	46	39
26	16	4	19	No real Night			12	40

Last Quarter, 11th, 55m. past 8 morn.
 New Moon, 7th, 7m. past 11 night.
 First Quarter, 15th, 2m. bef. 1 morn.
 Full Moon, 23d, 22m. past 6 morn.
 Last Quarter, 30th, 14m. past 3 aftern.

Sun enters 23
 21d. 4h. 50m.

1	F	Nicomede: Trinity Term b. 3	52	8	8	22	4	0	m	30	24
2	S		51	9	9	12	0	44			25
3	G	1 Sunday after Trinity	50	10	10	20	0	59			26
4	M	King George III. b. 1738	49	11	11	27	1	10			27
5	Tu	Duke of Cumber. b. 1771	49	11	11	34	1	36			28
6	W	[Boniface]	48	12	12	40	2	4			29
7	Th		47	13	13	46	3	1		N	
8	F		47	13	13	52	9	25			2
9	S		46	14	14	57	10	12			3
10	G	2 Sunday after Trinity	46	14	23	2	10	42			4
11	M	St. Barnabas	45	15	15	6	11	7			5
12	Tu		45	15	15	10	11	23			6
13	W		44	16	16	14	11	38			7
14	Th		44	16	16	17	11	50			8
15	F		44	16	16	20		morn.			9
16	S		43	17	17	22	0	2			10
17	G	3 Sunday after Trinity	43	17	17	24	0	16			11
18	M	[Alban]	43	17	17	26	0	31			12
19	Tu		43	17	17	27	0	43			13
20	W	Trin T.e. Trp. Ed. K.W.S.	43	17	17	28	1	12			14
21	Th	Longest Day	43	17	17	28	1	43			15
22	F		43	17	17	28	2	25			16
23	S		43	17	17	27	3	1			17
24	G	4 S.af.Tr: Nat. John Bapt.	43	17	17	26	9	35			18
25	M	[Midl. Day]	43	17	17	25	9	58			19
26	Tu		43	16	16	23	10	3			20
27	W		44	16	16	21	10	33			21
28	Th		44	16	16	18	10	46			22
29	F	St. Peter	44	15	15	15	11	0			23
30	S		45	15	15	12	11	15			24

Days	L. of D.	Day Inc.	Debreake	Tw. ends	Sun East	Cl. aft. S.	7 Stars S
1	16	16	8	38	16	2	57
6	24	24	40		18	1	48
11	30	30	46		19		51
16	34	34	50		20	obe.	12
21	34	34	50		21		16
26	32	32	odec. 2		20	2	19

No real night, but
 constant day
 or twilight.

New Moon, 7th, 44m. past 6 morn.
 First Quarter, 14th, 28m. past 4 aftern.
 Full Moon, 22d, 25m. past 5 aftern.
 Last Quarter, 29th, 27m. past 8 night.

Sun enters ♋
 22d. 15h. 44m.

1	G	5 Sunday after Trinity	3	46	18	14	23	n	8	11	a	34	25
2	M	Vifitation of the V. Mary		46		14			4	11		58	26
3	Tu	Camb. Com: Dogdays be.		47		13	22	59		morn			27
4	W	Transf. of St. Martin		48		12		54	0		28		28
5	Th			48		12		42	1	14			29
6	F	Cam. T. e: Q. Midf. day		49		11		43	2	20			30
7	S	Thomas & Becket		50		10		37	D	sets		N	
8	G	6 Sunday after Trinity		50		10		30	9	a	4		2
9	M	Oxford A.C.		51		9		23	9		22		3
10	Tu			52		8		16	9		16		4
11	W			53		7		18	9		19		5
12	Th			54		6		0	10				6
13	F			55		5	21	51	10		17		7
14	S	Drf. Term ends [Switwin]		56		4		42	10		31		8
15	G	7 Sunday after Trinity		57		3		33	10		48		9
16	M			58		2		24	11		9		10
17	Tu		4	0		0		14	11		37		11
18	W			1		59		3	morn				12
19	Th			2		58	20	52	0		14		13
20	F	Margaret		3		57		40	1		6		14
21	S	[Mary Magdalen]		5		55		30	1		59		15
22	G	8 Sunday after Trinity		6		54		18	D	rises		F	
23	M			7		53		16	8	a	23		17
24	Tu			9		51	19	54	8		36		18
25	W	St. James		10		50		41	8		51		19
26	Th	Anne		11		49		28	9		6		20
27	F			13		47		14	9		21		21
28	S			14		46		1	9		38		22
29	G	9 Sunday after Trinity		16		44	18	47	10		0		23
30	M			17		43		32	10		29		24
31	Tu			18		42		18	11		5		25

Day	L. of D.	Day dec.	D. breaks	Lw. ends	Sun East	Cl. bef. S.	7 Stars So.
1	16	28	0	6	7	19	3 20
6		22		12		17	4 18
11		14		20		15	5 1
16		4		30		12	36 7
21	15	50		44		9	58
26		38	0	46	11	6	5

August hath xxxi Days. 1804.

New Moon, 5th, 59m. past 3 altern.
 First Quarter, 13th, 37m. past 9 morn.
 Full Moon, 21st, 3m. past 5 morn.
 Last Quarter, 28th, 13m. past 1 morn.

Sun enters ♍
 22d. 22h. 12m.

W	Lammas Day	4	20	7	40	18	3	morn	26
Th		22	38	17	47	0	0		27
F		24	36		32	1	10		28
S		25	35		16	2	20		29
G	10 Sunday after Trinity	27	33		0	D	sets	N	
M	Transfiguration	28	32	16	43	7	2	44	2
Tu	Princess Amelia born 1783	30	30		27	7	58		3
W	[Name of Jesus]	32	28		10	8	10		4
Th		34	26	15	53	2	22		5
F	Laurence [Dog Da.c.]	35	25		35	8	37		6
S	Duch. Brunswic. born 1737	37	23		17	8	54		7
G	11 S. af. Tr: Pr. of Wales b.	39	21		0	9	13		8
M	Old Lammas Day	41	19	14	41	9	38		9
Tu		42	18		23	10	11		10
W	Assumption V. Mary	44	16		4	10	57		11
Th	Duke of York born 1763	46	14	13	45	11	54		12
F		48	12		26	morn			13
S		50	10		7	1	3		14
G	12 Sunday after Trinity	51	9	12	48	2	15		15
M		53	7		28	3	38		16
Tu	Duke of Clar. born 1765	55	5		8	D	rises	F	
W		57	3	11	48	7	2	16	18
Th		59	1		28	7	31		19
F	St. Bartholomew	5	16		59	7	48		20
S		2	58	10	46	8	2		21
G	13 Sunday after Trinity	4	56		26	8	36		22
M		6	54		6	9	11		23
Tu	Augustine	8	52	9	43	10	1		24
W	J. Baptist beheaded	10	50		22	11	13		25
Th		12	48		1	morn			26
F		14	46	8	59	0	26		27

Pl. of D.	Day dec.	D. breaks	Tw. ends	Sun East	Cl. bef. S.	7 Stars	St
15	20	1 14	1 24	10 33	6 59	6 55	6 m 40
	4	30	44	13	54	5 31	
14	26	48	2 2	9 56	49	4 52	27
	28	5	20	38	44	3 59	8
	30	24	35	23	38	2 52	49
13	32	42	59	6	33	1 34	50

N^o 101. September hath xxx Days.

New Moon,	4th, 37m. past	3 morn.	
First Quarter,	12th, 55m. past	3 morn.	Sun enters
Full Moon,	19th, 31m. past	3 aftern.	22d. 1 Sh. 4
Last Quarter,	26th, 21m. past	7 morn.	

1	S	Giles	5	16	6	44	8	17	1	m	40
2	G	14 Sunday after Trinity		18		42	7	55	2		56
3	M	[London bu. 1666]		20		40		33	4		24
4	Tu			22		38		11	D	sets	
5	W			23		37	6	49	6	a	38
6	Th			25		35		27	8		52
7	F	Enurhus		27		32		47	7		6
8	S	Nativity of the V. M.		29		32	5	42	7		25
9	G	15 Sunday after Trinity		31		29		19	7		45
10	M			33		27	4	56	8		14
11	Tu			35		25		33	8		58
12	W			37		23		10	9		45
13	Th			39		21	3	48	10		53
14	F	Holy-Cross		41		19		24	10		50
15	S			43		17		1	0		5
16	G	16 Sunday after Trinity		45		15	2	38	1		23
17	M	Lambert		47		13		25	2		44
18	Tu			49		11	1	53	4		36
19	W	Ember Week		51		9		28	D	rises	
20	Th			53		7		5	6	a	2
21	F	St. Matthew		55		5		47	6		34
22	S	King Geo. III. cro. 1761		57		2		18	6		46
23	G	17 Sunday after Trinity		59		1	0	5	7		22
24	M			61		59		29	8		7
25	Tu			63		57		54	9		7
26	W	Cyprian: Old Holy Rood		65		55	1	16	10		16
27	Th			67		53		39	11		37
28	F			69		51		12	12		30
29	S	St. Mich: Dus. Wir. b. 1766		71		49		26	0		55
30	G	18 Sunday after Trinity		73		47		49	2		18
		[Jerome]									

Day	L. of D.	Day dec.	D. breaks	Fw. ends	Sun-East	Ch. art. S.	7 Sta						
1	13	28	3	6	3	7	8	53	6	26	0	12	4
6	10		24		21		0	39		20	1	48	
11	12	50		44		34		26		14	3	30	
16	10	4	4		45		0	15		7	5	15	3
21	10		24		56		4			1	7	0	
26	11	52		42	4	7	7	33	5	55	8	43	

New Moon, 3d, 57m. past 5 aftern.
 First Quarter, 11 h, 18m. past 10 night
 Full Moon, 19th, 17m. past 1 morn.
 Last Quarter, 25th, 10m. past 4 aftern.

Sun enters π
 23d. 2h. 48m.

1	M	<i>Remigius</i>	6	14	5	46	3	12	3	35	28
2	Tu		16	44		36	4	59			29
3	W		18	42		59	5	5			30
4	Th		20	4		4	2	5	2	21	31
5	F		22	38		45	5	5	40		32
6	S	<i>Faith</i>	24	36		5	9	6	1		33
7	G	19 Sunday after Trinity	26	34		32	6	29			34
8	M		27	32		55	7	6			35
9	Tu	<i>Denys</i>	31	8		6	18	7	51		36
10	W	Oct. & C. Term begin	3	28		40	8	50			37
11	Th	Old Michaelmas Day	3	26		7	3	9	57		38
12	F		36	24		26	11	10			39
13	S	<i>Transf. K. & Edw. Conf.</i>	38	22		48					40
14	G	20 Sunday after Trinity	4	2		8	11	0			41
15	M		42	18		33	1	47			42
16	Tu		44	16		55	3	3			43
17	W	<i>Esbaldreda</i>	45	15		9	17	4	31		44
18	Th	<i>St. Luke</i>	47	13		39	5	59			45
19	F		49	11		to					46
20	S		51	9		23	5	27			47
21	G	21 Sunday after Trinity	53	7		44	6	9			48
22	M		55	5		2	7	5			49
23	Tu		57	3		27	8	10			50
24	W	<i>[Griffin]</i>	59	1		48	9	35			51
25	Th	King George III. accession	7	14	59	12	8	10	58		52
26	F	K. George III. pro. 1760	3	57		29					53
27	S		4	56		49	0	15			54
28	G	22 S. af. Tr: St. Sim. & Jude	6	54	13	10	1	32			55
29	M		8	52		30	2	46			56
30	Tu		10	50		50	3	58			57
31	W		12	48		14	9	5			58

Day	of M.	Day dec.	D. break	Tw. ends	Sun East	Cl. aft. S.	Stars Set								
1	11	32	5	2	4	40	7	41	5	49	10	11	8	m.	3
6		12	1	23		30		48	11	52	2				45
10	10	32	4	2		40		36	13	23	2				26
16		12	6	2		5		30	14	21					7
21		11		10		59		24	15	15	1				40
26	9							18	16		1				28

New Moon, 2d, 5^o 1st 10 morn.
 First Quarter, 10th, 19m. past 3 aftern.
 Full Moon, 17th, 1m. past 11 morn.
 Last Quarter, 24th, 21m. past 4 morn.

Sun enters 2^d
 21d. 23h. 5m.

1	Li	All Saints	7	14	4	14	29	6	19	30
2	F	D. of Kent b. 1767: <i>All Soul.</i>	15	45	4	20	3	1	1	N
3	S	Prs. Sophia born 1777	1	43	15	7	4	2	33	
4	G	23 S. af. Tr: King Wm. lan.	15	41	25	5	9			
5	M	Powder Plot 1605	21	39	44	5	51			
6	Th	Leonard: Mich. Term b.	22	3	16	7	6	45		
7	W		21	31	20	7	49			
8	Th	Prs. Aug. Sophia b. 1768	21	24	37	9	0			
9	F	Lord Mayor's Day at Lon.	29	31	55	10	13			
10	S		29	31	17	11	28			
11	G	24 Sunday after Trinity	31	2	28	morn				
12	M	Car. T. dev. m. [Martin	32	28	45	0	45			
13	Th	Britius	34	2	18	1	2	4		
14	W		36	24	17	3	26			
15	Th	Macbatus	37	23	32	4	52			
16	F		39	21	47	6	22			
17	S	Hugh Bp. of Lincoln	40	20	19	2	Drises			
18	G	25 Sunday after Trinity	42	18	16	4	2	49		
19	M		43	17	3	5	55			
20	Th	Edmund K. and martyr	44	16	44	7	12			
21	W		46	14	58	8	34			
22	Th	Cecilia	47	13	20	11	9	57		
23	F	Clement: Old Mart. day	48	12	24	11	10			
24	S		50	10	36	morn				
25	G	26 S. a. Tr: Duke of Glo. b.	51	8	48	0	32			
26	M	[Catherine	52	8	59	1	45			
27	Th		53	7	21	2	56			
28	W	Michaelmas Term ends	54	6	21	4	7			
29	Th		56	4	31	5	12			
30	F	St. Andrew	57	3	41	6	27			

no	L. of D.	Day	dec.	D. breaks	Tw. ends	Sun East	Cl. aft. S.	7 Stars	So					
1	9	32	7	2	5	17	6	43	5	12	16	15	1 m	7
6		16		18		24		36		6		10	0	47
11	8	58		36		39		39		1	15	45		27
16		42		52		36		24	4	55	14	59		6
21		28	8	6		43		17		52	13	24	11	41
26		16		18		40		12		48	12	25		20

New Moon, 2d, 35m. past	5 morn.	Sun enters 1 st 21d. 11h. 27m.
First Quarter, 10th, 45m. past	5 morn.	
Full Moon, 16th, 18m. past	9 night.	
Last Quarter, 23d, 1m. past	8 night.	

1	S	G-Advent Sunday	7 58 4	2 21 51	7 13 35	30
2	M		59	1 22 0	8 14 25	N
3	Tu		0	0	9 4 34	2
4	W		0	0	17 5 36	3
5	Th	<i>Nicholas</i>	1 3 59	25 6 42	4	4
6	F		2 3 58	32 7 53	5	5
7	S	<i>Conception of V. Mary</i>	3 57	39 9 0	6	6
8	G	2 Sunday in Advent	4 56	45 10 21	7	7
9	M		4 56	51 11 37	8	8
10	Tu		5 55	57 morn	9	9
11	W		5 55	23 2 0 54	10	10
12	Th	<i>Lucy</i>	6 54	7 2 14	11	11
13	F		6 54	11 3 38	12	12
14	S	<i>[Cam. T. & O. Sapiens.]</i>	7 53	15 5 7	13	13
15	G	3 Sunday in Advent	7 53	18 6 32	14	14
16	M	<i>Elf. Term ends</i>	7 53	21 7 15	F	15
17	Tu	Ember Week	8 52	23 4 29	16	16
18	W		8 52	25 5 55	17	17
19	Th	St. Thomas: Shortest Day	8 52	26 7 19	18	18
20	F		8 52	27 8 42	19	19
21	S	4 Sunday in Advent	8 52	28 10 2	20	20
22	G		8 52	28 11 19	21	21
23	M	Christmas Day	8 52	27 morn	22	22
24	Tu	<i>St. Stephen</i>	8 52	26 0 32	23	23
25	W	<i>St. John, Ev.</i>	7 53	25 1 44	24	24
26	Th	<i>Innocent</i>	7 53	23 2 55	25	25
27	F		7 53	21 4 5	26	26
28	S	1 Sunday after Christmas	6 54	15 6 17	27	27
29	G		6 54	11 7 11	28	28
30	M	<i>Silvester</i>	5 55	11 7 11	29	29
31			5 55	7 7 52	30	30

Days	L. of D.	Day dec.	D. breaks	Tw. ends	Sun East	Cl. aft. S.	7 Stars So.
1	8 4	8 30	5 55	6 5	4 45	10 39"	10 a 59
6	7 56	38	58	2	43	8 37	37
11	50	44	59	1	41	6 22	15
16	46	48	0	0	40	3 59	9 53
21	44	50	1	5 53	39	3 31	31
26	46	52	0	6 0	40	1 0	9

CHRONOLOGICAL NOTES, &c. in 1804.

Dominical Letter	AG	Roman Indiction	7	Easter Day	April 1
Golden Number	19	Septuage. Sun.	Jan. 29	Ascension Day	May 10
Epaet	18	Shrove Sunday	Feb. 12	Whit-Sunday	May 20
Cycle of the Sun	21	Lent begins	Feb. 15	Advent-Sun.	Dec. 3

ECLIPSES, &c.

THERE will be five eclipses this year, three of the Sun, and two of the Moon; but only one of each will be visible in these parts.

I. **JANUARY 26**, the Moon is eclipsed, and visible here. The eclipse begins at 7h 57 $\frac{1}{2}$ m afternoon; the middle at 9h 7m; and the eclipse ends at 10h 16 $\frac{1}{2}$ m; the digits eclipsed being 4° 44', on the Moon's south limb.

II. **FEBRUARY 11**, the Sun is eclipsed, and visible here. The beginning is at 10h 27m morning; the middle at 11h 39m; and the end at 12m. past noon. The digits eclipsed being 8° 36'.

III. **JULY 22**, the Moon is eclipsed, but invisible here, the Moon not being risen. The eclipse begins at 2s 5h 31m. afternoon; the middle 5h 31m; and ends at 7h 10m. Digits eclipsed 10° 52'.

IV. **AUGUST 5**, the Sun is eclipsed, invisible here, at 3h 59m. aftern.

V. **DECEMBER 31**, the Sun is eclipsed invisible here, at 51m. past midnight, or rather, a little before one the 1st of January next year.

VENUS is an evening star till Aug. 4; then a morning star to the end.

JUPITER is a morning star till April 21; then an evening star till November 8; and then a morning star for the rest of the year.

ANSWERS to the ENIGMAS.

1 Peace	6 Dust	<i>Supplement Enigmas.</i>	
2 Horse	7 Pen	1 Tongue	5 Nonsense
3 Pebble	8 Wife	2 Leaf	6 Lantern
4 Gun	9 Husband	3 Smoke	7 Role
5 Charcoal	Pr. Key.	4 Nothing	Pr. Coffin.

Answers to the Prize Enigma.

1. *By Mr. E Birch, Master of Woodhouse Free-school.*

Smart has the talent well to write,	And if he'll deign to take a walk,
And polish'd verses to delight.	With me at times to sit and talk,
May fortune on him smile propitious,	Then Betty maid shall take the Key,
Kindly granting all his wishes.	And draw some ale for him and me.

2. *By Mr. Thomas Bools, Woodstock-street.*

The prize enigma vainly gussing,	'A Key to Smart's mysterious treasure,
Careless on my bed I lay;	Vainly you'll attempt to find.'
Belmy sleep my eyes possessing,	Pleas'd, before his shrine I bended,
Visions brought in bright array.	Breathing out Apollo's praise;
Apollo thus, in pleasing measure,	While the prize, in air suspended,
Sung the dictates of his mind,	Cheer'd me with its beaming rays.

3. *The same answered by Clara.*

Clara's respects to T. R. Smart;	Its hidden secret to explore;
His prize to gain did use her art:	In myst'ry he so fast had bound it.
He down she sat, and read it o'er,	Without a Key she ne'er had found.

4. By S. G. —, *Downend, near Bristol*

Not, like a goddess, lady Di,
Rekindling Pindar's fire
Around your annual circle fly,
To wake each tuneful lyre.

While numerous bards expectant stand,
To hail Di's natal day,
And feast on dainties from her hand,
That none but hers convey.

Grateful I own a pleasing sense
From Smart's well wr't disguise,
And augur that I lie from thence
His mystic Key arise.

Empitious fortune aid my aim,
And Dia's prize draw soon;
My humble verse presents no claim,
'Tis chance must give the boon.

5. By Mr. Tho. Hindmarsh, *Crook, near Wolsingham.*

Your magic lay such pleasure brings,
I long to join the tuneful band;

You've sent a Key to tune my strings,
Pray send me skill to guide my hands.

6. By Mr. F. Kendray, *of Barnsley.*

The lock and Key,
That puzzled me,
T. R. Smart's witty hints explain.

May he each year
In Di appear,
And by his muse th' laurels gain.

7. The same, by Mr. H. W. Mapre, *Birmingham.*

The night was dark—the hour was
late—
The chaise was at the garden gate—
Th' impatient lover gave the sign,
And gently cry'd, 'O mistress mine.'
No answer came! again he cry'd,

'O mistress mine'—but none reply'd;
For jealous gardy's watchful care
Unkindly held the captive fair:
And miss, who wish'd to run away,
Was safely under lock and Key.

8. The same, by Mr. J. Midforth, *Junior.*

O matchless and unequal'd Smart,
How brilliant shines thy wit and art.

That art has nature lock'd from me,
Of which she's given you the Key.

9. The same, by Mr. F. Scotney, *Mitmoris.*

Envelop'd in the darkest shade,
The prize appear'd to me,

Till fancy lent her searching aid,
And whisper'd, 'tis a Key.

10. By Mr. John Smith, *Alton Park.*

What harmony from ivory keys
Will flow when struck with art!

But e'en an iron Key can please,
When touch'd by Mr. Smart.

Other separate and ingenious answers to the Prize Enigma, beside those inserted in the Supplement, were given by the following ladies and gentlemen: viz. Ann Appleton, J. Balls, P. Barlow, Barbyllus, J. Beckerley, Harriot Bellamy, Benedick, Geo. Biggs, Wm. Birkin, J. Cairns, B. Cleypole, John Collins, R. Colman, J. Cornubwaite, Corydon, Tho. Crosby, D. Dixon, Henry Dixon, J. Doggerel, R. Dutton, Edwin, Mary Eddy, L. Farrow, Ja. Ford, W. Francis, Mrs. Furness, Geo. Harley, S. Ann Haynes, J. Hawkes, Ja. Hemburn, Wm. Hinds, J. Johnson, J. Irwin, Nelly Irwin, Juvenis, Tho. Keeton, Blanch Leen, Da. Lewis, J. Liddell, M. Macann, W. Maddick, Martinicus, Menimus, Geo. Moore, A. W. Morcom, R. Parker, Rob. Proctor, Master Pyatt, Geo. Raynes, Geo. Renison, I. Restless, Da. Roberts, R. Robinson, J. S., J. Sawto, Hugh Snap, H. Spooner, Tho. Stead, P. Thompson, Geo. Tiver, Wm. Top, J. Trenholme, Rd. Trevarva, H. Tucky, Ant. Tunball, Wm. Watkins, Tho. Wilson, Wm. Wiseman, Jos. Wollin, &c.

GENERAL ANSWERS to the ENIGMAS.

1. On Spring: by Miss Ann Appleton, of York.

Now lovely spring again is seen
Frisking o'er the verdant green,
Each prospect and each scene is gay,
And birds sing sweetly from the spray,
While Flora decks the ground with
flow'rs,

No wintry storm now on us low'rs,
But prancing *Courfers* by us bound,
And ev'ry hill and dale resound
With cuckoo's cries, and other notes,
Usher'd from a thousand throats.

See now the *nymphs* and rural *swains*
Trip it o'er the flowery plains.

Miss *Peace* steps forth in all her
charms, [swarm:

And soon attracts the *swains* in

Come then my *Celia*, come away,
And leave your *Duffy* books for play;
Lock up the house, leave *guns* and *guns*,
So let's mind nought but play and
fun.

Miss *Charcoal* most admirers gains,
And fills their tender hearts with
pains.

Now lovely *Charcoal* why so coy?
Pray smile and give your lovers joy;
With hand and heart then let us rove,
O'er your odoriferous grove,
To taste the joy that's more sub-
lime,

Or lasting than is fleeting time.

We are sorry to announce to the *Diary* correspondents, on the informa-
tion of miss Appleton, that the late ingenious *Parthenia* is now no more;
on which occasion miss Appleton adds,

'*Parthenia's* glass and fire poetic's spent,

'And now she rests beneath a monument.'

2. By Mr. Peter Barlow, of Shipdham.

I long have strove, perhaps in vain,
To solve th' enigm', intent to gain

A place in lady *Di*;

Where bards their yearly off'rings
bring,

Of *Peace*, or war, or both they sing
Their fortunes for to try.

On *Wife*, or *Husband*, *Horse*, or *Gun*,
A book, *Duff*, *Charcoal*, or a *Pen*,

They various lines indite;

A *Gun* or *Key* to them the same,
They strive to show, yet hide its
name,

If possible, from fight.

3. To Mr. Smart: by Mr. John Brookbank, Leicester-square.

'Tis clear, blest fav'rite of the muse,
That humour ev'ry power is thine;

Di twice five years has shewn it;
And few among her train there are,

But will in honest truth declare,
With me, they long have known it.

'Keep *Penknife* wit' we also find,
Is to thy sportive humour join'd,

Assisting each the other;
For wit to humour keeness gives,

And in return from it receives
A sharper edge and smother.

And folly is to vice ally'd,
As near as those in wedlock ty'd,

Yea, nearer far than some are;

Who by their conduct prove most
clear,

That they are not ally'd more near
Than is the Nile and Humber.

'Gainst vice, O may'st thou raise the
host,

While thou make'st folly's sons to shoot
With alder *Guns*, as sparrows;

Or else at gnats or butterflies,
With outstretch'd tails and squinting
eyes,

All glee! with bows and arrows.

Or mak'st them, two and two, astride
On broomstick nags together ride,

Thro' village, town or city;

With china jorien o'er each brow,
And faces near the *Charcoal's* hue,
The butt of all the witty.

Thus, Smart, thy sportive strain pursue,
And give a *Duffing* to the *two*, [sic,

When'er 'tis time to meet 'em;
In private or in public sound,
In village haunt, or city's round,
With equal kindness greet 'em.

4. *A Morning Ride*: by *Mrs. Philip Gove, Exeter.*

The sun had ting'd the eastern sky
With tints like shining gold,
And nothing could the scene outvie,
The morning did unfold.

The air was Peaceful, and quite clear,
The time was nearly five,
With *Horse* and *Gun* I did appear,
Swift o'er the *Stones* to drive...

I rode eight miles I do declare,
When up before me ran,
In wild affright, altimid hare,
And I to chase began.

I fir'd, when lo! a victim she
In *Dust* a bleeding lay;
I to k her up, and then with glee
I homeward bent my way.

Just as I came unto my door,
With *Key* to unlock the same,
I saw a *pair*, they both were poor,
And gave to them the game.

With grateful heart they trip'd away;
To breakfast then I went;
Upon reflections thro' the day,
I thought my time well spent!

5. *The Widow's Lamentation*: by *Mr. Isaac Gumley, Nottingham.*

My *Husband*, my darling's no more;
His head is laid low in the *Dust*;
My moments of pleasure are o'er,
And I've not a friend I can trust.

I weep from the morn until night,
And almost incessantly sigh;
There's nothing around can delight,
No woman so wretched as I.

He ne'er, since I gave him my band,
In any one thing did offend;
With joy I obey'd his command,
For he was a sweet loving friend.

How oft in the shade of yon wood
We've walk'd in a hot summer's day,
While turtles most lovingly coo'd,
And ev'ry thing round us was gay.

To pass a dull moment away,
He'd go with his *Horse* and his *Gun*,
While faithful and quick-scented tray
About him delighted would run.

My babes, since their father is dead,
See nothing around them can please;
Their sorrows cannot be allay'd
By sugarplums, trinkets, or *Keys*.

Alas! my sweet pledges of love,
We've lost our protector and friend!
Our help is alone from above,
On God we can only depend.

Then *Peace* to this fore-troubl'd breast,
Submissive I'll bow to the rod
Of him, who does all for the best,
My father, my friend, and my God.

6. *The same*: by *Mr. Thomas Keating.*

From *Dust* sprang Adam, and his
Wife,

Was neither made of stick or *Stone*;
Nor with her *Husband* held she strife,
When'er he wish'd to loose the zone.

Nature their book—*Peace* kept the
door,

No *Key* had they to lock their hoard;
They never heard the cannon's roar,
The *Horse* secure slept by his lord.

7. *The same*: by *Mr. Robert Parker, Blackburn.*

Peace, *Horse*, and *Pebble*, certain
quite,

Three first enigmas bring to light:
Next *Charcoal*, *Pen*, with warlike *Guns*;

And *Dust*, the end of Adam's sons,
Wife, *Husband*, *Key*, the whole will
try,

And so *Diarists* all, good bye.

8. *Address to young Divians: by Mrs. Richardson.*

Ye children of science who dwell
In rural retirement embower'd,
Whose bosoms to ecstacy Aven,
With raptures of fancy o'erpower'd.

Give way to the heav'n-gifted flame;
Yet, know that *Pegasus* is wild;
And when *fr'd* by the clasp of *fame*,
He's not to be curb'd by a child.

Then beware how your *Key* sounds
aloft,

While you traverse o'er learning's do-
mains,

Let your verses be artless and soft;
Go, ransack the groves and the plains.

When *Phœbus* beams, cheer up the
vales,

And sport in the *Pebbly* rills,
And the soft voice of *Peace* fills the
gales,

And the fleecy flocks whiten the
hills:

9. *The same, by Mr. P.*

When youth to manhood shalt give
place,

May *rosy* health my sinews brace,
And *Peace* dwell in my breast;

And, tho' I ask not worldly fame,
O may a clear unspotted name

Be ever by me possess'd.

Mine be a cottage neat and plain.
Encircled by a small domain,

Of meads and verdant fields;
Where, free from *Diss*, from noise

and strife,

May I enjoy, kind heav'n, thro' life,
The pleasures nature yields.

10. *The Poet's Prayer: by Mr. W. W. Wardley, Chesham.*

O thou! that oft with kind regard,
Look'st down upon the ragged bard,
And dost, among thy num'rous mer-
cies,

Oft fill his mouth chuck-full of verses,
Which kindly didst thou not throw
in,

That mouth might cease, for ever, go-
Or muse, or museling, whatsoever
Thou art, attend unto my pray'r!

When, to waken each musical sound,
Exulting the *cherub* hovers his wing,
And the woodlands and valleys all
resound

In love-kindling symphonies ring:

When the fields are bespangl'd with
flow'rs,

And hedges are fragrant and fair,
And roses perfume the gay bow'rs,
And eglantines flaunt in the air:

When the *swains* sing their loves in
the vale,

And the *virgins* as fondly reply,
While echo murmurs the tale,

And *ephyr* flutes every high:

Then pour the soft numbers along,
While your nymphs and your flow'rs

do bloom,

For your nymphs and your flowers,
in song,

Will blossom for ages to come.

11. *The same, by Mr. Thompson, of Frieson.*

The wealth I ask, ye gods, are
these:

A *Wife* whose pleasure is to please,
A friend; that choicest treasure;

A dog, a *Horse*, a *Gun*, what more
Of *Pens* and books an ample store;

These ever will give pleasure in

When wintry winds the sky deform,
Secluded from the blustering storm,

And piercing cold severe,
I'll *Diss* enigmas aim to tell,

Where *Husbands* hid in mystic cell,

And *Key*, *Stone*, *Coat* appear.

Some bards I know for cash would
hanker,

And ask to draw upon thy banker,
To join in all the splendid waste,

That dangles at the heels of taste.
But I'm in that respect at ease,

While blest with health, and bread
and cheese,

And (full as much as I desire)
A pint of Calvert's best entire.

Nor hast thou ever heard me asking,
In fortune's sunshine to lie basking ;
Excepting once, 'a small request,
(Which in a whisper I express'd)
That thou wou'dst give me land, to
keep

A nag, and feed a flock of sheep ;
A plain *ling* cottage, light and airy,
Surrounded by une potagerie.—
But then, allowance should be made,
For one so very young in trade,

11. *Summer, Peace, and Love : by Mr. Wm. Watkins.*

Now hoary winter's with'ring blast,
Is chased from our sight at last,
With all his rueful train ;
Indulgent *Peace*, and summer's come,
Fragrant flowers the air perfume,
And daisies deck the plain.

The *Husbandman* in rural glee,
The reeking *Horse* out o'er the lee
Pursues the live long hours ;
While the melodious feather'd tribe,
Enliv'ning sing on every side,
'Mid rosy dells and bowers.

12. *Address to the Editor : by Mr. Thomas Wilson, Newcastle.*

Dear doctor, in a pensive strain,
I write for *Dia's* page again,
And from my pericranium drain
More barren rhyme ;
Unfruitful as the *Duffy* plain,
In *Afric's* clime.

The other night, no further gone,
Accompany'd by my neighbour John,
We call'd a social friend upon,
To hear his crack ;
But, sad to tell, the clock struck one,
Ere we got back.

My loving spouse my care assail'd,
And at my wicked conduct rail'd,
That all my life had never fail'd
To tempt and try her :
While nought, that I could say, avail'd
To pacify her.

Like the report from some great *Gun*,
She nearly did my senses stun,
Exclaiming I would drink a tun,
Had I my fill ;
Like a *Horse*, a mile would run,
To get a gill.

Who then, hirmanted manners show
it,
Knew not they ill-beseem'd a poet.
I now more mod'rate wishes frame,
And wou'dst thou kindly puff the same,
That feebly round my bosom plays,
Into a true poetic blaze !
That shudd'ring light o'er realms afar,
May prove the poet's leading star ;
I'd fit me down with more content,
Than usury, with cent per cent.

The *Duffy* carman on the road
See, driving the stupendous load
Of *Charcoal* to the fair,
Black as the inky imp of night ;
Yet summer does his soul delight,
And banishes dull care.

The sparkling *stone*, the cheering *Key*,
The deaf'ning *Gun*, the buzzing bee,
In unison do move ;
The bleating lamb, the blooming spray,
Refreshing showers and solar ray,
Bring forth peace, and love.

Thus am I doom'd, in endless strife
To live a painful *Peaceless* life,
That nought saves from the fatal knife
But stings clear ;
For 'smoky house and scolding *Wife*,
There's none can bear.

It would have pierc'd your very soul,
To 've seen me on repentance stool,
And honour'd with the name of fool,
And drunken sot ;
May you ne'er learn from such a
My luckless lot. [school

No books can soothe my tortur'd mind,
To pain and sad remorse consign'd,
Nor can I in contrition find
A better fate ;
Now strong must be the ties that bind
Me to my mate.

I'd rather far go fast and pray,
Or for a snowy winter's day
Be dragg'd behind some noisy dray,
Or *Charcoal* cart ;
Than have the mis'ry such a fray
Leaves on my heart.

Had I the *Key* of Dolly's tongue,
It should not injure old or young,
Nor scold me when I drew the bang,
To moist my bones;
I'd keep her words, but when she sung,
Like *precious stones*.

Should this be deem'd by some not true,
It's what has happen'd oft ere now,
And made the *Husband* often rue,
At morn and e'en,
He rashly made the solemn vow
At *Gretna Green*!

13. *The same: by Mr. B. Clappole, West-Ham Abbey.*

When high ambition rears his baneful head,
And dire confusion o'er the land is spread,
Peacocks stand aloof, makes room for horrid war,
And sound of *Guns* and cannon heard afar:
The prancing *Horse* egg'd on by martial sound,
Surveys unfelt the slaughter'd on the ground;
Here hearts as hard as *Stones* or steel appear,
And nought but carnage and destruction hear.
But now let reason take an active part,
Aided with *Power* to touch the human heart;
For what avails ambition's haughty rage,
That *Coal* black deeds have mark'd from age to age
Let not vain glory dazzle and deceive,
But this great weighty solemn truth believe:
Tho' now possess the plenitude of power,
Poor fordid *Dust* succeeds the dying hour;
And actions done while in a state of clay,
Will sentenc'd be at th' last and awful day,
But mark where pure humility reside,
And th' sacred book, the true and faithful guide;
Or plodding *Husband* with a thrifty *Wife*,
Who share the comforts of a rural life;
If doors unbarr'd, or void of lock and *Key*,
No fears alarm to mar tranquillity;
But with content enjoy their humble state,
And envy not the splendour of the great.

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14. *Thornion-hill: by the Rev. Mr. Ewbank, of Thornton-Steward.*

On the brow of the hill there's a rustical seat,
Blac'd beneath an old elm—a sweet *Peaceful* retreat,
Where *Wives* with their *Husbands*, (as beauties abound)
And nymphs with their suitors oft sit to look round.
You see wood to make *Charcoal*, contrasted with heath;
And a serpentine river, o'er *Pabbles* beneath,
Sweetly murmurs thro' pastures, where oxen and cows
Are browsing, and lambkins disport among ewes.
Here the *Pencil* of *Flora*, in nature's great book,
Makes the view quite delightful, wheresoever you look.
Besides, you're perfum'd with the fragrance of flowers,
Whose *Dusty* farina the gale round you pours.
An abbey, and churches, and hamlets are near,
With villas, and villages too, in the rear,
Whence sportsmen with *Guns*, dogs, and *Horses* appear.
But it's to conclude;—for *Diarjana* will see,
That to all the enigmas I've now sent a *Key*.

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Other ingenious answers to the Enigmas, beside those inserted in the Supplement, were given by the following ladies and gentlemen, viz. John Barbo, Rob. Barry, Wm. Corby, Wm. Brown, John Cairns, Miss B. H. D., R. Dutton, E. England, I. Farrow, Wm. Field, Ja. Ford, Geo. Hurley, Noab Heath, T. Heynes, John Irwin, Nelly Irwin, G. H. Ifitt, John Liddell, W. Maddick, Paul Ninnis, E. O., Sarah Perritt, Geo. Renison, Is. Restless, Da. Roberts, Jos. Smith, John Smith, Geo. Tiver, Wm. Toop, Rd. Treweekes, Upo. Valentine, Wm. Wiseman, &c.

ANSWERS to the REBUSES and CHARADES.

Diary.	Rebuses.	Sup.	Diary.	Charades.	Suppl.
1 Still	1 Gemini		1 Earwig	1 Pleasure	
2 Parthenia	2 Meggit		2 Slavetrade	2 Housewife	
3 Jacobus	3 Hope		3 Helpmate	3 Postage	
4 Smart	4 Chair		4 Football	4 Eyeglass	

1. By the Rev. Mr. Eawbank, of Thornton-Steward.

Parthenia, Still, Jacobus, Smart,
Perhaps the names of four impart.
Next *Earwig, Slavetrade, Helpmate* call,
Then *Football* added solves them all.

2. The Ball: by Mr. James Hensborn.

To grace the Ball, *Parthenia* came,
Fair *Still* and *Smart*, and all the train;

Jacobus was not behind;
In powder'd *Wigs* the beaux appear,
The belles with jewels in their
Ear,
Their looks bespoke them kind.

The youths, all fir'd with love and wine,

Declar'd the nymphs were all divine,
And vow'd their *Slaves* they'd be;
No, cry'd each nymph, you are to blame,

Let me not hear that hateful name,
A *Helpmate's* part for me.

3. The same: by Mr. G. H. Ifitt, Staunton.

Parthenia, Still,
Have wit at will,
Jacobus writes with art;
But none of these
Have power to please,
Like thee, ingenious *Smart*.

Let him but write,
Earwigs delight,
And *Helpmates* are a treasure;
May none be made
A *Slave* to trade;
Football is rustic's pleasure.

4. Peaceful Scenes: by Mrs. Blanch Lean.

While on life's stage I act a part,
Still peaceful scenes be mine,
Then, tho' *Parthenia* claims the heart,
Of wise *Jacobus* or fam'd *Smart*,
Thereat I'll not repine.

No *Earwig* envy stings my breast,
When my fond hopes are cross'd;
Let vile *Slavetraders* lose their rest,
No *Helpmate* is by them carest;
They're like a *Football* tost.

5. The Want: by Mr. Robert Parker, Blackburn.

Lo! here'miss *Still* I swear and vow,
And what! the fair *Parthenia*;

Here, here! I find the ladies now,
Pierian nymphs who mean ye!

Tell them, O tell them—but what,
 what,
 Tell them I want,—a help-mate;
 But hold, they will not care for that,
 Then—something else—a *Help-*
mate.

And hark, my virgins, that's not
 all,
 A *Helpmate*—yes I have said,
Smart, Jacobus, Earwig, Football,
 I do not want, nor *Slavetrade*.

6. *To Mr. Smart : by Mr. Robert Sanderfon, Radcliff.*

Full many a clumsy somersault, the earth
 Round her old axletree has daily made,
 Since when, to whims and fancies giving birth,
 The muse has gayly urg'd her singsong trade.
 Ah *Smart*, full many a sun too oft has shed
 On lords and muckworms, his all-cheering ray,
 Since when old time, with spiteful swiftness fled,
 And lengthen'd faces told our parting day.
 Thro' a whole winter's gloom I've dragg'd on life,
 In dirt and business over head and *Ears*,
 Without a friend, a *Helpmate*, or a wife,
 To laugh away or eke to soothe my cares.
 O'er hedge and ditch in *Football* fashion tose'd,
 As duty urg'd his pow'rful stern command,
 To converse rational entirely lost,
 Rudeness and dullness ever at my hand.
 But hope, still bright'ning with returning spring,
 Bids gayer visions in my fancy rise,
 Bids me for *Dia's maids* to strike the string,
 And give their smiles—a paradise—as prize.
 Still with *Jacobus* will I swear the fair,
 Who can on earth impart such bliss divine,
 The grand elixir for all human care,
 Of purest pleasure's inexhausted mine.

7. *The same's by Mr. F. Scotney, London.*

Had I the muse of T. R. *Smart*,
 Of *Jacobus* or *Still*,
 I'd write for Di with willing heart,
 And wield the flowing quill.

On *Earwig*, *Helpmates* would indite,
 Or sing *Parthenia's* praise;
 On *Slavetrade*, *Football* too wou'd
 To gain one sprig of bays, [write,

8. *To a Friend : by Mr. James Smith, Wisbeach.*

Indeed friend *** I wish thou wou'dst
 A *Helpmate* strive to find;
 Miss *Still*, or *Parthenia* sure,
 Would please thy fickle mind.
 Or, if not, sure some other fair,
 When thou art full of glee,
 If wou'd, would blushing confess,
 That she would wed with thee.

But mark—shou'd miss the Di'ry read,
 Thou must beware of *Smart*;
Jacobus also, tho' unknown,
 May win her tender heart.
 Therefore be quick, no longer stay,
 Lay all charades aside;
 Let *Earwig*, *Slavetrade*, *Football* go
 Till thou hast got a bride.

Other ingenious answers to the *Rebuses and Charades*, besides those inserted in the Supplement, were also given by the following ladies and gentlemen, viz. Ann Appleton, P. Barlow, Bened. B. R. Berry, E. Birch, Wm. Birkin, J. Bromhead, J. Brookbank, J. Cairns, R. C. R. Cleypole, J. Cuntbawaite, miss B. H. D. R. Dutton, E. England, J. Farrer, J. Ford, Wm. Francis, J. Gelsdort, P. Gove, J. H——, N. Heath, T. Haynes, Wm. Hind, J. Johnson, Sam. Jones, J. Irwin, Nelly Irwin, Tho. Keeton, D. Lewis, J. Lidell, W. Maddick, P. Ninnis, E. O. Da. Robarts, R. Robinson, H. Snape, P. Thompson, G. Tiver, Wm. Toop, Rd. Trewavas, Wm. Watkinds, T. Weedon, &c.

ANSWERS to the QUERIES.

QUERY, I. answered, by the Proposer.

Some correspondents think the effect mentioned in this query is only true in a partial degree. But the proposer, and some others, are of opinion that it is absolutely true to the fullest extent; in so much that a plain glass screen set before a fire, acts as a fire screen equally the same as it made of paper or board, or any other opaque substance; and that although the substance of the glass screen itself becomes hot, yet the heat does not pass into the air beyond the screen, like as that of the sun does when passed through glass.

QUERY II. answered, by Mr. Tho. Crosby, York.

The practice of duelling may be traced very far back indeed. Both sacred and profane history mention it. But perhaps the present practice 'of deciding trivial disputes by duels,' arose, or was sanctioned, in the year 1527, at the breaking up of a treaty between the emperor Charles V and Francis I; these personages quarrelling, sent each other a challenge.

The same, by Mr. R. Dutton.—'The origin of the custom of private duels, on imaginary points of honour,' says Montesquieu, 'undoubtedly derived from the trial of civil and criminal causes by combat or duel, called to *wage battle*.—The first judicary duel we meet with is in Gundebuld, anno 501, preserved in the Burgundian code. And it is curious,' he adds, 'that this mode of trial is law at the present day.'

QUERY III. answered.

Mr. John Cairns thinks that the difference in the colour of tame and wild fowls, the one commonly being white and the other spotted, is to be attributed to the difference in their food or feeding; the latter feeding much on insects, but the former on corn, &c.

Mr. Richard Spillitoe thinks that the cause in question may be owing to the inhalent termination of blood vessels; and the end or use of it, to prevent that great contrast between the eggs and nest, which there would otherwise be. For thus they are better concealed from the scrutinizing eye.

QUERY IV. answered, by Mr. Edw. Goodwin, Sheffield.

In this query there seems to be a *partitio principii*, which, if admitted of, may have a tendency to discourage a practice which I believe is conducive to health as well as cleanliness. To assertion in the query permit me to oppose the opinion of the good Mr. Howard, in his Account of the principal

Lazaretto, in Europe.—'The walls of my chamber' (in the Lazaretto at Venice) says he, 'not having been cleaned, probably, for half a century, were saturated with infection. I got them washed repeatedly with boiling water, to remove the offensive smell, but without any effect. My appetite failed, and I concluded I was in danger of the slow hospital fever. I proposed whitewashing my room with lime slacked in boiling water, but was opposed by strong prejudices. I got however this done one morning, through the assistance of the British consul, who was so good as to supply me with a quarter of a bushel of fresh lime for the purpose. And the consequence was, that my room was immediately rendered so sweet and fresh, that I was able to drink tea in it in the afternoon, and to lie in it the following night. On the next day the walls were dry as well as sweet; and in a few days I recovered my appetite. Thus, at a small expence, and to the admiration of the other inhabitants of the Lazaretto, I provided for myself and successors an agreeable and wholesome room, instead of a nasty and contagious one.'—This needs no comment.

NEW ENIGMAS.

I. ENIGMA (863) by Mr. Wm. Eirkin, Derby.

Dear ladies, now I come to claim,
A place in enigmatic fame;
In masquerade b-hold me drest,
Proclaim me then a welcome guest.
Of form and matter I consist,
No flesh without me can exist.
In ancient and in modern times;
In British and in foreign climes;
By skilful bards I've been carest'd,
And in their works are often plac'd.
In gaudy palaces I dwell,
Tho' ever in a gloomy cell.
When mighty hosts for war prepare,
And clouds of smoke obscure the air;

When thund'ring cannon's dreadful
roar,
And plains are drench'd with human
gore,
I'm in the field of battle found,
Tho' death and horror stalk around.
Tho' trilling when I stand alone,
I form a part of George's throne.
Ev'n heav'n itself cou'd not be made,
Nor earth, nor sea, without my aid.
In diff'rent colours I am seen,
But most conspicuous am in green.
But now methinks the mystic veil
No longer can my name conceal.

II. ENIGMA (864) by Mr. T. Clarus, Cambridge.

I'm found with all, by joy or grief o'ercome,
With mourners oft, no mourning yet I wear;
Tho' void of speech, I'm eloquently dumb;
And soothing comfort to the wretched bear.

Could I but speak, and tell the inward woes,
I'd claim your pity sure and fond regard;
But silence sits enthron'd, whose envious blows
Bury my speech, and all my hopes retard.

I'm false as wind, the weather, or the wave,
Yet many a secret hidden truth disclose,
A cloak for fiction, melancholy's slave;
A friend to love, as ev'ry fair one knows.

When beauty's goddess sought her match—lov'd swain,
Where wild boars hold their strong, resistless pow'r;
She claim'd my aid, nor was it claim'd in vain;
For lo! I nourish'd her sweet fav'rite flow'r.

When summon'd from my unsuspected hoard,
I rush like cat'ract down the steep abyss;
Unless some gen'rous friend should aid afford,
And break my fall by one soft gentle kiss.

III. ENIGMA (865) by Mr. Tho. Coulson, Rookhope.

Resolve me ladies, what is this,
Or forfeit me one precious kiss.
What's the first offspring of the graces,
Of diff'rent forms in diff'rent places;
Was Flora's wealth, and Circe's charm,
Pandora's box of good and harm;
Was Mars's wish, Endymion's dream,
Apelles' draught, and Ovid's theme.
I guided Theseus thro' the maze,
And sent him home with life and
praise.

I did undo the Phrygian boy,
And blew the flames that ruin'd Troy.
I shew'd great kindness to old Greece,
And help'd rich Jason to the fleece.
I thro' the east just vengeance hurl'd;
And lost poor Anthony the world;
Injur'd tho' Lucrece found her doom,
I banish'd tyranny from Rome;
Appear'd tho' Lais gain'd her hire,

I set Persepolis on fire.
For me Alcides learn'd to spin,
His club laid down and lion's skin;
For me Apollo deign'd to keep,
With servile care, a mortal's sheep;
For me the father of the gods,
Content to leave his high abodes,
In borrow'd figures loosely ran,
Europa's bull and Leda's swan;
For me he reassumes the god,
(While Semele commands the god)
Launches the bolt, and shakes the
poles,
Tho' Momus laughs and Juno scolds.
For me dear gent's, you gladly leave
Whate'er the world calls wife or grave,
Ambition, business, friendship, news,
Your useful books and sportive muse,
For me you willingly decline
The mirth of feasts and joys of wine.

This enigma, and many other ingenious compositions by the same gentleman, the editor with grief acknowledges has been detained from him for three or four years past, by the late editor of the *Gentleman's Diary*, to whose care they had been entrusted in a letter to him, inclosed along with some of the *Gentleman's Diary's* contributions. Since his death they have been found among his papers, and restored to their original destination.

IV. ENIGMA (866) by Mr. J. Dent, Kirton.

Ere the world was from chaos refin'd,
I abode in the mansions above;
Where pleasure seraphic's combin'd,
With consummate friendship and
love.

When to Isra'l, on Sinai's mount,
Jehovah in thunders drew near;
His gracious designs to recount,
I fill'd them with horror and fear.

When Jericho's walls were cast down,
By me was the power display'd;

And when Gideon's foes were o'er-
thrown,

I cheeringly lent him my aid.

When David with harp in his hand,
Assembled the jubilant throng,
With the ark, at his royal command,
I join'd the sweet songsters among.

In war I distinguish'd appear;
When judges their circuits attend,
My voice fills the guilty with fear,
Lest his forfeited life have an end.

When Christ shall descend from the skies, | And summon the dead to arise!—
His coming I then shall proclaim; | Dear ladies next year tell my name.

V. ENIGMA (867) by Mr. F. England, *Aukborough.*

If faithful service merit a reward,
All that I ask is here to claim regard.
Primeval ages ne'er my worth did know;
But now so fram'd that fates to me bow.
Tho' often treated ill by ruffian's hand,
Nor can their vengeance unrestrain'd withstand.
But who is he that from misfortune's frown
Can say I'm free? the monarch or the clown?
Then why should I repine at turns of fate?
For those who're humble are the truly great,—
Where some huge cliff o'erhangs its frightful brow,
As if destruction threaten'd all below,
There I was born, and wrenched from repose,
Hack'd and abus'd with tools of open foes;
My mangled limbs were thrown upon a car,
And thence convey'd to regions distant far;
Where skilful artists fashion'd me so neat,
That I adorn the mansions of the great;
Preserve the church from many a pelting storm;
But who can shake the basis that's so firm?—
As education forms the nobler mind,
So 'tis with me when I become refin'd:
You'll see me helping in all public schools,
Confirming truths by mathematic rules.
Long have my choicest friends distinguish'd been
In Dia's page; full a whole cent'ry seen.
Th' unletter'd swain, whom I do ne'er provoke,
For my kind service gives me many a stroke.
Then what avails the signal service done?
Now I am like a malefactor hung.

VI. ENIGMA (868) by Mrs. Halliday.

Round as the world, though often vary shape,
Vast the expanse, a friend by sea and land,
And yet reclusé, your good fireside I ape,
Each morn, each night salute your honour'd hand.
Hot, cold, or warm, empty, dirty, clean,
Not esculent, yet lov'd by wife, and maid,
Spout forth obedience, even to the mean,
And China's treasure wants my latent aid.
Behold at Smithfield fair, ye men of sense,
A toy of mirth,—of wonder,—fortune's child,
Dash thro' the crowd; or station'd, beg your pence,
Th' inhabitants by poverty beguil'd.

My costly rival boasts more youth and beauty,
 Graces a court—the proud bombast of wonder;
 Whilst I, in humbler strains, attend my duty,
 Sing to your dirty menials, black as thunder.
 Address, with speed—the *Diary* says—be short,
 Ye snuff-takers, all hail your warmest friend!
 Ye idle matrons, lur'd by this retort,
 Kiss, love, and keep me, to your latest end.

VII. ENIGMA (869) by Mr. W. Jones, Hayford.

Permit, my good lady, your once favour'd bard,
 Again to solicit your wonted regard;
 A regard, which to merit is still his ambition,
 Tho' a truant he's long been, he's now all submission;
 And care and his train left a distance behind,
 To mount his old Hobby he feels much inclin'd:
 Then while he recites his short mystical tale,
 Let candour, o'er-judgment, as usual prevail.
 I am, let me say, the most comical elf,
 And for punishment beg to be put in myself,
 For 'tis known very well that I often belong
 To the meagre fac'd starlings who dabble in song.
 But short is the space I in ambush can lie,
 Each lovely observer has me in her eye,
 Which is ne'er so attractive as when its possess'd
 By the pearl-drops of pity for virtue distress'd.
 Yet you surely will own I'm secrecy's friend,
 And shield you from dangers that often impend.
 The bold desperado who flies from the laws,
 To help to escape I'm the innocent cause;
 But when parcels are lost, or cattle have stray'd,
 Their owners ne'er fail to solicit my aid;
 For I'm greatly illumin'd, and often am made
 The assistant of party, of pleasure and trade.
 Of all sizes and colours I'm constantly found;
 And in wood, stone and iron I greatly abound.
 In gold and in silver I frequently shine,
 And Grips to me doth his treasure consign.
 Should any fair lady be yet in the dark,
 To such let me whisper, I'm found at Hyde Park.

VIII. ENIGMA (870) by Mr. John Ireland, Leicester.

We British fair, for virtue fam'd, Your kind attention lend; In me you'll find, when I am nam'd, A constant, faithful friend. Various my shape, now great, now small, In divers colours seen; Frisk it with ladies at the Ball, With Doll upon the green.	When you with grief are sore oppress'd, I prove a friend sincere; Heave with each sigh that rends your breast, And stop the falling tear. Tho' some there be who me deride, And say I'm useless grown; Still with the modest fair abide, Who all my merits own.
--	--

Shou'd youthful Stephen ever dare
To draw me once aside;
It's then, O then! fond maids take
In him no more confide. [care,
Shou'd death deprive you of a friend,
When summon'd, I obey;

And on the funeral rites attend,
The last respects to pay;
In this I oft my aid bestow,
To play a double part;
And shew the outward signs of woe,
While joy dilates the heart.

IX. ENIGMA (871) by *Mr. G. H. Wilt, Stanim.*

When gay Aurora paints the morn,
And huntman wind the echoing horn,
To cheer the whimpering hound;
Poor Reynold from the cover flies,
And the exulting sportsman cries,
'Tis there alone I'm found.

But see the sons of Momus met,
To laugh and drink, a jovial set,
Each toast, some charming lass;
To banish care that clogs the soul,
They truly drain the sparkling bowl,
And find me in the glass.

Avaro has got wealth in store,
Yet still he seems to covet more,
And doats on sordid gold;
By him, alas! I'm seldom seen,
Unless when with me he has been,
Those treasures to behold.

The careless spendthrift apes his grace,
And flies with me from place to place,
This soon his fortune spends;
By tradesmen dunn'd, of friends be-
reft,

I'm fled, no future prospect left,
His life a pistol ends.

The hero, with his sword and shield,
Undaunted takes the hostile field,
Dealing destruction round,
Must feel me when the campaign's
Returning to his native shore, [o'er,
To be with laurels crown'd.

Ye British fair, if you're inclin'd
Me in perfection e'er to find,
When Hymen's bands you enter,
Select with care some worthy youth,
Fam'd for his virtue, merit, truth;
With such alone I centre.

If you shou'd ask the leare'd sage,
Who studious reads the sacred page,
How you shou'd me pursue;
He'll bid you your Redeemer praise,
Shun vice, and all her treacherous
ways,

And keep your God in view.
Poor poets oftimes might we see,
Would fortune somewhat kinder be,
And, when they sup or dine,
Instead of one poor pint of beer,
In plenty send, their hearts to cheer,
Libations of port wine.

I. Or PRIZE ENIGMA (872) by *Mr. T. B. Woolston, Adderbury.*

[Whoever answers it before February 1, has two chances for eight Diaries.]

Ye lovely British fair, for wit renown'd,
And every winning grace that charms the soul,
Of manly virtue, melting into love;
For you once more the rustic muse resumes
Her lov'd employ, and visits Dia's fame,
To make an offering of her votive strains.—
To you the pleasing task she now assigns,
By your ingenious art to draw aside
The mystic veil, and claim the Delphic wreath.

Let others boast the wonderful exploits
Of fabl'd heroes, conqu'ring monsters fell,
Of necromancers wondrous magic skill,
Enchanted castles, and chimæras dire!

—With due submission, ladies, I approach
 A fam'd enchanter, open to your view,
 Well known and real;—one before whose pow'rs
 The bravest heroes vanquish'd, oft have fell,
 And yielded up bright vict'ry's fairest palm.
 —To you, ye fair, 'tis given those powers to wield,
 Whose deeds of valour lead, and manly sports
 Raise competition in the panting breasts
 Of Britain's youth, all ardent for the prize.
 But let, O let your tender hearts abhor
 The cruel act to hold me up in scorn;
 Where gentle pity and the little loves,
 Entwin'd with all the graces mild should play.—
 But let me not too arrogant appear,
 For lo at hand a partner holds its fear,
 Which, though divided, still must claim a share
 In all my powers; for still as one we act,
 Whene'er employ'd, and still together rest.—
 Beneath a crimson canopy we're set,
 Whose arch'd pavilions, guarded well around,
 At once protect ourselves and our recess.—
 Would you behold creative power divine
 Display'd in all its wonders, view with care
 My curious structure; analyse my parts;
 You there will see such skill divine display'd,
 As makes at once all human art to blush,
 And bids mankind at awful distance kneel
 In reverence profound, and God adore!—
 —Are you enamour'd of great nature's scenes,
 The beautiful and grand; in me behold
 The perfect lineaments, those forms divine,
 Where grace and beauty captivate the soul.—
 A connoisseur in all the works of art,
 To me fair science owes her brightest gems,
 For chief by my support, her fairest plans
 Have reach'd perfection, in its finest forms.—
 But not confin'd to earth, my visits oft
 Extend to other worlds!—The sun's bright orb,
 And lunar sphere, with ease I traverse wide,
 From thence to distant Saturn wing my way!
 —In tender pity to the sons of earth,
 From nature's heights I stoop, to pour the balm
 Of lenient consolation o'er distress.—
 I speak a language known to all mankind,
 The lover fondly reads it, and the wretch
 Who in yon cot neglected and forlorn,
 The prey of sad affliction and despair,
 Should good Almeria deign to visit there,
 Beholds me set in pearls, that dart sweet rays
 Of heav'nly comfort to his fainting heart.—
 —Ye fair Diarian nymphs, who own my charms,

O may you still, when evening's shades prevail,
And morning's beams shall gild the orient skies,
Direct me right to heav'n; to may your days
Be blest with pleasure, and your nights with peace.

NEW REBUSES, CHARADES, and QUERIES.

I. REBUS, by *Mr. Peter Barlow, of Shipham.*

To a word of consent, add one half of a fright;
Next subjoin what you never behold in the night;
These rightly connected, you will quickly obtain
What numbers have seen, but will ne'er see again.

II. REBUS, by *Bathylus.*

What the drunkard calls loud for again and again,
And a beast of immaculate white;
In the rude country annals a notable swain,
Whom the charms of his Phillis invite.
The initials will show what, in various attire,
May have frequently lull'd you to sleep;
What every one covets with longing desire;
What none, when it's gain'd, wish to keep.

III. REBUS, by *Mr. John Bayley, Schoolmaster, Middleton.*

A place where the miser deposits his gold;
Two thirds of what all daily do, as we're told;
To these add a place where the frugal young swain,
In summer time, labours to gather his grain:
These added together, you'll have your desire,
A town situated in fam'd Derbyshire.

IV. REBUS, by *Mr. John Brookbank, London.*

Take what, if you are not, Diarians, you would be,
At least, there are few but what would, if they could be;
And what, of my mother there's no doubt but I am,
Or what, it is said, Hector was of old Priam;
'Twixt these two you must place just three-fourth's what a stone is;
Then a bard you will name, who to Dia well known is;
Whose numbers harmonious have long grac'd her pages,
For which, she his name has enroll'd 'mong her sages.

I. CHARADE, by *Mr. Ja. Bromhead, Duddingion School.*

My first produces vital breath,
My next contains or life or death;
My first too oft is made a toy,
To please a cross and naughty boy;
My whole is then hung up with care,
And shows how cruel Christians are.

II. CHARADE, by Mr. J. Dent, Kirton.

My first its cheerful strains display,
When festive joys abound;
Or hails our monarch's natal day,
As each revolves around.

My next dear ladies don't refuse,
Whose virtues prove him true;
But should my whole proclaim the
What slander might ensue. [news,

III. CHARADE, by Mr. W. Jones, Hayford.

Thy freedom, my first, is the Englishman's boast,
Behold him enraptur'd its liberty toast!

My next is a term oft apply'd to a throng
Of gipsies so jovial, with fiddle and song.
My whole is a crew of stout desperadoes,
Who terror create by their feats and bravadoes.

IV. CHARADE, by Mrs. Elizabeth Lean, Ludgvan.

My first a mean and humble bed,
Where poverty reclines;
You'll find my next on hedges spread,

When sol in summer shines.
My whole's a pleasant cooling fruit,
And does I think most palates suit.

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By what means do flies support themselves, when walking along the ceiling of a room, or on the smooth surface of a looking-glass, &c.

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Whence did it originate, that the first day of April is called All-fools day, or April-fool day?

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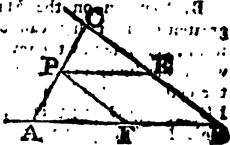
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MATHEMATICAL QUESTIONS ANSWERED.

I. QUEST. (1104); *ans.* by Mr. Tho. Hopper, Excise Officer.

Let ABC be the given angle, and P the given point, also APC the required line. Draw PE parallel to AB , and PF parallel to BC , putting $PE = a$, $PF = b$, and $AF = x$; then, by reason of the parallels, $AF : PF :: PE : CE$, or $x : b :: a : CE$, then $CE = \frac{ab}{x}$, and $AC = x + \frac{ab}{x}$, and $AB = a + x$, hence $AB \times BC = a \text{ min. this in fluxions and reduced gives } x = \frac{ab}{a}$ that is $AF = PE = FB$.

*The same, Geometrically, by Mr. Henry Lighthow.*

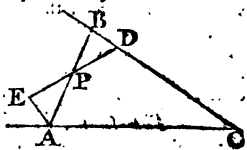
It is well known that when the vertical angle is given and the rectangle of the sides viz. $AB \times BC$ a minimum, that the triangle ABC cut off by the said lines is a minimum also, and this will be the case when the given point P bisects the line AC , by Simpson on the Max. and Min. theor. 3. Hence this construction. Make ABC the given angle, and P the given point, draw PF parallel to BC , and set off $FA = FB$, join AP , which produce to C , and APC is the line required. For, by parallel lines, $AF : FB :: AP : PC$, a ratio of equality.

The same, by Mr. John Smith, Alton Park.

Let ABC be the given angle, and P the given point. — Draw PF parallel to CB , make $AF = FB$, and from A through P draw APC , which will be the line required. — For AC is bisected by the point P (Hutton's Geom. theor. 82), therefore the tri. ABC will be the least that can be formed by the angle ABC and a line passing through P (by Simpson on the Max. and Min. th. 3), conseq. the rectangle of its sides, $AB \times BC$ will be the least also (Hutton's Geom. cor 4, th. 81).

The Same, by Mr. Tho. Smith, Hethersett.

Let ABC be the angle, and P the point. Draw PD to any point in BC , and produce D P to E making $PE = PD$; draw EA parallel to BC , and thro' A and P draw APB , which will be the line required. For the two triangles APB , BPD are mutually equal, and the line $AP = PB$, or AB is bisected in P . And, by Simpson on the Max. and Min. the area of tri. ABC is least, when the base AB is bisected by the given point; and it is well known that $AC \times CB \propto \frac{1}{2}$ the sin. $\angle C$ is the area of the triangle $ABC = a \text{ min. but the } \angle C \text{ is constant; therefore } AC \times CB \text{ is a min. also.}$

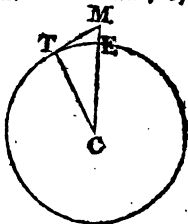


Similar to one or other of these methods was the solution given by Messrs. P Barlow, J. Bennet, Wm. Birkin, J. Cavill, I. Chantry, H. Codling, J. Campbell.

Collins, Wm Croft, J. Cullyer, J. A. Dotchen, W. Eaton, E. England, J. Eubank, J. Furness, J. Giddart, H. Hann, J. Hawkes, T. Hopper, T. Hornby, S. Jones, H. Lightbourn, J. Lockwood, J. Lovegrove, W. Maddocks, M. O'Riordan, C. Pritty, A. Raby, S. Ryley, J. Sully, J. Sutherland, J. Skewes, E. Smith, T. Smith, P. Thompson, S. Umbra, H. Wade, W. Watkins, W. M. White, W. Wright, beside those inserted in the Supplement.

III. QUEST. (1106), ans. by Mr H. Codling, South Walsbam.

The near time of the sun's rising at Teneriffe, on June 24, is nearly at 5 o'clock; at which time the declination is $23^{\circ} 26' 45''$, the semi diameter $15' 49''$, and refraction $33' 45''$; from the sum of these two take $30''$ the horizontal parallax, there remains $49' 24''$ the depression of the sun's centre at the time of observation on the plain. Then, in the opposite hemisphere are given the sun's altitude $49' 24''$, the polar distance $113^{\circ} 26' 45''$, and lat. $28^{\circ} 29'$, hence the time of the day is found 5 h. 1 min. 24⁸/₅ sec. from which take 11 m. 28²/₅ sec. and the diff. is 4 h. 49 m. 45²/₅ sec. the time of observation on the summit of the mountain. Then, by another common prob. the depression at this time is found $= 3^{\circ} 2' 29''$; from this taking the former depression, the remainder $2^{\circ} 13' 5''$ is the angle C at the centre of the earth, M denoting the top of the mountain, and MT the tangent or visual line. Hence, in the right-angled triangle C T M, besides the angle C, there is given the leg CT = CE = 3982 miles, then CM is found = 3985 nearly; conseq. ME = 3 miles, the height of the mountain.



The same by Mr John Cullyer, Wicklowood.

In the spherical triangles Z P S, Z P R, we have Z P Z = $61^{\circ} 31'$ the colat. and P S = P R = $66^{\circ} 34'$ the codeclin. and Z S = $90^{\circ} 33'$ the zenith distance, allowing $33'$ for the diff. between the sun's horizontal refraction and parallax; hence is found the $\angle Z P S = 104^{\circ} 18' 16''$ the angle of time at sun-rise; to which add $2^{\circ} 52' 6'' = 11 \text{ min. } 28\frac{2}{5} \text{ sec.}$ gives $107^{\circ} 10' 22'' = \angle Z P R$, the angle of time at sun-rise on the mountain. Then, in the triangle Z P R, are given Z P and P R as before, and the $\angle Z P R$, to find Z R = $92^{\circ} 46' 40''$ the sun's zenith distance at the time he rises on the mountain; from which subtracting $90^{\circ} 33'$, leaves $2^{\circ} 13' 40''$ the angle at the earth's centre subtended by the tangent line, or visual ray; then by plane trigon. is found 3.013 miles nearly, the height of the mountain.



Other solutions were given by Messrs. Bennett, Campbell, England, Eubank, Furness, Gregory, Hawkes, Hopper, Jones, O'Riordan, Robinson, Smith, Skewes, Watkins, Wiseman, Wright, &c.

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VI. QUESTION (1100). answered by Mr. J. Chantry, of
Hoston.

By the common rule, the whole circumference of the circle, to the radius, is 3.141592654 ; therefore 360° is $145^\circ 57' 30''$ on $30^\circ 36'$ and $145^\circ 57' 30'' = CE$. Then, by Simp. Flux. $\frac{BE^2}{2CD} = 38^\circ 42' 5''$ links, the length of the curve CB ; and, by p. 131 lb. $\frac{BE^2}{6CD} =$



38 ac. 3 r. 23 lb. the area of the field $CBED$.

The same, by Mr. Henry Hutton, Sudbury.

As 360° is to $145^\circ 57' 30''$ as $30^\circ 36'$ is to $38^\circ 42' 5''$ the length of the arch $CE = EB$. Again, by the Simp. Flux. the length of the curve $CB = 38^\circ 42' 5''$. And, by the same rule, the area of $CBED$ is $38^\circ 42' 5''$ links, the length of the curve CB ; and, by p. 131 lb. $\frac{BE^2}{6CD} =$

The same, by Mr. J. B. Hornt, of Wimples.

By proportion, as $145^\circ 57' 30''$ is to $30^\circ 36'$ as 360° is to $38^\circ 42' 5''$ the whole circumference of the circle, and as 360° is to $38^\circ 42' 5''$ as $30^\circ 36'$ is to $38^\circ 42' 5''$ the length of the arch CE , the tangent EB , then by Simp. Flux. $\frac{BE^2}{2CD} = 38^\circ 42' 5''$ links, the length of the arch CB and $EB \div 6CD = 38$ ac. 3 r. 24 p. the area of the field $CBED$.

Other ingenious answers were also given by Messrs. Barlow, Bennett, Cross, Culler, Eaton, Furness, Gregory, Harding, Hopper, Lightbown, Maddocks, P. Rindes, Robinson, Salter, Smithson, Surtess, and others.

THE QUESTION (1101), answered by Mr. Peter Barlow, Shephard.

The numbers of vibrations made by the pendulum, before and after it was lengthened, are as 3625 to 3595 ; and, by the law of pendulums, the numbers of vibration made in equal times, are inversely as the square roots of their lengths; therefore, calling the first length x , as $\frac{1}{\sqrt{x}} : \frac{1}{\sqrt{y}} :: 3625 : 3595$, hence $\frac{1}{\sqrt{x}} = \frac{3595}{3625} \times \frac{1}{\sqrt{y}}$, then $3600^2 : 3625^2 :: 119 : 3554$, the true length of the pendulum; and $\sqrt{39} : \sqrt{3625} :: 3625 : 119$, the number of vibrations per minute.

The same, by Mr. Francis, junr. the Proposer.

The pend. vibrated $\frac{1}{4}$ too often at first, and $\frac{1}{2}$ too few when lengthened. Put $x =$ its length in inches, and $y = x + 2$. Then as $\frac{1}{\sqrt{x}} : \frac{1}{\sqrt{y}} :: 3625 : 3595$, hence $\frac{1}{\sqrt{x}} = \frac{3595}{3625} \times \frac{1}{\sqrt{y}}$. Also as $\frac{1}{\sqrt{y}} : \frac{1}{\sqrt{x}} :: 3600 : 3753$, But

$\frac{3753}{344} \times \frac{113}{y} = \frac{3753}{720} \times \frac{729}{y}$. Hence $y = 100839$, or $y =$

101685 , the true length, and $101685 - 101687$ inches, the first length; and therefore it made 3445167 vibrations, when it should have made only 3445124 per minute. Lastly, as $3445124^2 : 3600^2 :: 60^2 : 39$, the true length required.

IV. QUEST. (1107), by Mr O. G. Gregory, Woolwich.

Let $ABDC$ represent the ingot of silver, resting on A's shoulder at the point A, and on B's shoulder at the end B, the dif. of Heights being $AE = 12$ inches, and the length or hypotenuse $AB = 40$ inches; hence $EB = \sqrt{AB^2 - AE^2} = 4\sqrt{91} = 38.157568$. Now the weights borne at B and A, are as EF and FB , (GF being the perp. let fall from the centre of gravity) or by reason of the sim. tri. BGF , BAE , and the parallels AB & EF , they are as AG , GB or as EG , GB . The equal triangles AGF , BGF , are both sim. to ABE , hence $BE : AE :: BF : AG$, that is $4\sqrt{91} : 12 :: 4 : 1.257942$, which added to, and taken from 20 or $\frac{1}{2}tr$, gives $21.257942 = EG = AG$, and $18.742058 = GB$. These are the respective lengths of the two pieces into which the ingot is divided, each of which mult. by 83 or 64 , the area of the base, gives 1360.308288 inches for the greater part, and 1199.491712 for the less. Then, taking 1109 for the specific gravity of pure silver, we find 373.299175 and 7704.609973 for the weights in averdupois ounces, and the ounce avoird. being to the ounce troy, as 175 to 192 , those numbers being reduced in this proportion give 7959.118649 and 7022.429142 troy ounces; which at $5s$, the ounce, produce $\pounds 1989.779662$ and $\pounds 1755.607285$, or 1989 l . 15 s . $7d$. and 1176 l . 12 s . $13d$. for the respective values of the shares of B and A.

This question was also answered by Messrs. Barlow, Bennett, Birkin, Briant, Campbell, Cavill, Chantry, Codling, Crejs, Callyer, Eaton, England, Ecobank, Francis, Furness, Hawkes, Hopper, Jones, Keaton, Lightbourn, Maddocks, Man, O'Riordan, Owens, Pritty, Robinson, Ross, Rowden, Ryley, Sails, Skewes, E. Smith, J. Smith, T. Smith, Snape, Thompson, Towan, Towne, Watkins, Wright, &c.

V. QUEST. (1108), ans. by Mr. Wm Eaton, jun.

First, to find the present value of D's interest according to the proposed order of survivorship, let $t = 36$, $m = 20$, $n = 18$, and $v = 13$, be the several complements of life, also $r = 1.05$, $p = 20$ the perpetuity, $M = 6.6614$, and $Nv = 6.355$ the value of an annuity certain for n years, if the lives (whose comps. are m and n) shall continue so long. Then, by what is done at quest. 56 vol. 3 Dodson's Math. Repos. the present value will be found

$$(Mv - \frac{v^2}{6rm}) \times 2m - (Nv - \frac{v^2}{6rn}) \times 2m - v + \frac{v^2}{6rn} \times n - v \times 2 \times$$

$$\frac{p}{amt} = .66912, \text{ which mult. by } 120 \text{ gives } 80.4 \text{ the present worth.}$$

Next, to find what annuity 80.4 l . will purchase for his life: the present value of a life of 66, is found to be 619 years purchase; theref. $80.4 \div 6.9 = 11.65 = 11$ l . 13 s . is what Dought to receive yearly.

This question was also answered by Messrs. P. Barlow, J. Bennett, J. Brunsell, S. Jones, M. O'Riordan, J. Skewes, W. Watkins, &c.

The same, by Mr. J. Lockwood.

Let $x^2 + 2x$ and $x^2 - 2x$ represent the required numbers, which it is evident answer two of the conditions in the question; there now only remains to make $2x^2 + 1$ and $4x + 1$ each a square. Now put this last $= n^2$ then $x = \frac{n^2 - 1}{4}$, hence the first becomes $\frac{n^4 - 2n^2 + 9}{8}$ a sq. number, which it will be when $n = 7$; hence $x = 12$, conseq. the two numbers are 120 and 168, which answer all the conditions.

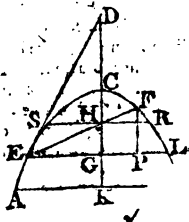
Legenious answers were also given by Messrs. Barlow, Bennett, Boole, Briant, Buxton, Codling, Collins, Eaton, Ewbank, Furness, Green, Gregory, Hawkes, Harding, Jones, O'Riordan, Owens, Robinson, Ross, Rowden, Sally, Selkirk, Stevens, Smith, Towne, Watkins, Wright, &c.

IX. QUESTION (1112) answered by Mr. G. G. Gregory.

Since $PF : PI :: 3 : 2$, it is plain by sim. tri. angles, EG to HI , and PG to PH are also in the same ratio of 3 to 2, so that if $PH = 2x$, then with $PG = 3x$. Also if $AB = 200 = 4a$, then $AP = PB = CD = 2a$, and $CB = a$. Hence, by the nature of the parabola, $\sqrt{AB} : BC :: \sqrt{AH} : HI$, or $\sqrt{4a} : a :: \sqrt{2a - 2x} : \frac{1}{2} \sqrt{2a^2 - 2ax} = HI$, $\sqrt{2a - 2x} : \frac{1}{2} \sqrt{2a^2 - 2ax} = HI$, $\sqrt{AB} : BC :: \sqrt{AG} : GF$, or $\sqrt{4a} : a :: \sqrt{2a + 3x} : \frac{1}{2} \sqrt{2a^2 + 3ax} = FG$, theref. by the quest. $2 : 3 :: \frac{1}{2} \sqrt{2a^2 - 2ax} : \frac{1}{2} \sqrt{2a^2 + 3ax}$, hence $2 \sqrt{2a^2 - 2ax} = 3 \sqrt{2a^2 + 3ax}$, which gives $x = \frac{1}{3}a = 16\frac{2}{3}$; hence $AN = 66\frac{2}{3}$, and $AG = 150$. Now $\sqrt{AB} : BC :: \sqrt{AG} : FO$, that is $\sqrt{200} : 50 :: \sqrt{150} : 25\sqrt{3} = FO$; hence $FP = \sqrt{FG^2 + GP^2} = 25\sqrt{7}$, and $PI = \frac{2}{3}PF = \frac{50}{3}\sqrt{7}$, theref. $FI = \frac{1}{3}\sqrt{7}$ the base of the parabolic segment FAL . By Dr. Hutton's Conics, pr. 19 Parab. $FP \times PI : (\frac{1}{3}FI)^2 :: AP : QR$ the absciss of the ordinate FL , that is $3 \times 2 : 6\frac{2}{3} \times 2\frac{2}{3} :: 100 : \frac{3500}{24} = QR$, and $EG = FP = 25\sqrt{3} \div 25\sqrt{7} = \sqrt{\frac{3}{7}} = \frac{1}{7}\sqrt{21}$ the nat. sin. $\angle P$ or $\angle O$; theref. by the rule at p. 277 Dr. Hutton's Mensur. 3d ed. we have $\frac{2}{3} \times \frac{125}{3} \sqrt{7} \times \frac{2500}{24} \times \sqrt{\frac{3}{7}} = \frac{78125}{27} \sqrt{3} = 5011.72106$ the area of the segment FAL ; also $\frac{2}{3} \times 100 \times 100 = 12333\frac{1}{3}$ is the area of the whole CAD ; conseq. their diff. 8321.61227 is the area of the frustum $CFID$.

The same, by Mr Tho. Hornby, of Wombledon.

Let ARC denote the garden, EF the walk, SR a double ordinate bisecting the absciss CK in H , and ED a tangent to the curve at the point E . Then, by prop. 15 Dr. Hutton's Conics as $2 : 3 :: CH = 100 : CD = CG = 150$; again, by prop. 1, as $CK : CG :: AB^2 : EL^2$, or $200 : \sqrt{150} :: 100 : 50\sqrt{3} = EL$; and by sim. tri. as $EH : EF :: 3 : 5 :: \frac{1}{2}EL$ or $25\sqrt{3} : EP = \frac{125}{2}\sqrt{3}$; but $\frac{2}{3}CG \times EL = \frac{2}{3} \times 150 \times 50$

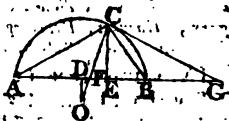


$\sqrt{3} = \frac{5000}{3}$ $\sqrt{3} =$ area of $E C L$ and as $E L^2$ $\text{sup}^2 :: 6^3 : 53 ::$
 $5000\sqrt{3} : \frac{125}{276} \times 5000 \sqrt{3} :: 5014.72$ the area of $E C F$, but $\frac{3}{2} C K \times$
 $A B = 13333.33 =$ the area of the whole field $A B C$; their diff. 8321.63
 is the lower oblique frustum $A E F B$.

Answers to this question were also given by Messrs. Barlow, Bennett,
 Birkin, Burdon, Cavill, Campbell, Chantry, Cross, Cullyer, Eaton, Ew-
 bank, Furness, Hopper, Jones, Lockwood, Lowenroque, O'Riordan, Prith-
 Robinson, Ryley, Sally, Saltink, Smith, Watkins, Wright, &c.

X. QUEST. (1113), ans. by Mr Wm Cole, Colchester

On the given base $A B$ describe a segment of a
 circle to contain the given vertical angle. From
 the centre O draw $O D$ perp. $A B$; draw $O C$;
 making the angle $D O C =$ half a right angle,
 and meeting the circle in C . Join A, C , and
 B, C , so shall $A B C$ be the triangle required.



For, let fall the perp. $C E$, and in $A B$ produced take $B G = B C$.
 Draw $C G$, $O A$, and $O B$. Then the base $A B$, and the vertical angle
 $A C B$, are equal to those given, by constr. and because $O D$ is perp.
 $A B$, $C E = E G$, and $D O G$ half a right angle; the angles $F, F C E$,
 $E C G$, $E G C$ are each half a right angle. Therefore $O C G$ is a right angle,
 and $A G (=$ the sum of the seg. and perp. by constr.) is evidently a
 maximum when $G C$ touches the circle.

The same, by Mr Thomas King, Basselton.

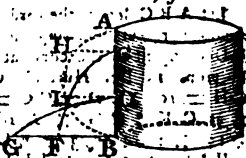
On the given base $A B$ describe a segment of a circle to contain the given
 vertical angle. From the centre O draw the perp. $O D$ on the given base,
 and $P F = D O$; then join $O F$, which produce to the circle at C ; draw
 $A C$ and $B C$, so shall $A B C$ be the triangle required.

For, let fall the perp. $C E$, and in $A B$ produced take $E G = E C$;
 and draw $C G$. Now the base $A B$ and the vertical angle $A C B$ are equal
 to those given by the constr. And because $D E = D C$, and $C E = E G$,
 the triangles $C D F, F G E, E C G$ are all similar; and the angles $F C E$,
 $G C E$ are each half a right angle, therefore $O C G$ is a right angle; also $A E$
 $+ E C = A G$, which is evidently a maximum when $C G$ touches the
 circle.

This question was also answered by Messrs. Barlow, Bennett, Cavill, Chan-
 try, Codling, Cullyer, Eaton, Furness, Gregory, Hays, Hornby, Hop-
 per, Jones, Lockwood, Magras, O'Riordan, Sally, Shaw, Smith,
 Watkins, Wisman, &c.

XI. QUEST. (1114) answered by Mr Wm Eaton, jun.

In this question the depth must be half the
 diam. and $= 26.1844$ inches, as is known
 by former solutions. Put $H = A D 14.1844$;
 $b = A C = 2.1844$, $a = 5.309$ the area of
 the contracted orifice, and $g = 32.2$ inches.
 Then, by Hutton's Course of Math, vol. 2,
 pa. 225 and 226, we have $\frac{1}{2} \sqrt{g H} \times 3600$
 $= 4109$ inches, the quantity discharged in 5 minutes or 300 seconds;



and $2 a \sqrt{g b} \times 300 = 1613$ inches, the quantity discharged at C in that time. The distance to which the water will spout from C on the plane, $BF = 25.80$ inches, $CB = 14.48127$ inches, and that from D is $GB = 2\sqrt{AD \cdot DB} = 26.091$ inches.

The same, by the Rev. Tho. Scurr, the Proposer.

Put $a = 5600$ tuble inches of water, the capacity of the vessel, $p = 3.1416$, $x =$ the diam., and $y =$ the altitude. Then $p x^2 y = 2a$ the circumf. Hence $p x y =$ the curve superficies, and $\frac{1}{2} p x^2 y$ the area of the base, also $\frac{1}{3} p x^2 y$ the content, for which substitute a , and the curve superficies becomes $\frac{4}{3} \frac{a}{x}$, also $\frac{4}{3} \frac{a}{x} + \frac{p x^2}{4}$ the whole surface, a min. the flux

of which $= 0$, gives $x = 23 \frac{1}{2}$, $\frac{a}{x} = 52.358$ inches the diam. Also, because $p x^3 = 8 a$, and $p x^2 y = 4 a$, it follows that $y = \frac{4}{x} = 26.179$ inches. Again, (Dr. Hutton's Math. vol. 2, p. 126) the velocity thro' any hole C is such, as will carry the water horizontally thro' a space equal to $2 \cdot AC$ in the time of falling thro' A C; but, after quitting the hole, it describes the curve of a parabola, and comes to F in the time a body will fall through CB; and, since the times are as the roots of the spaces, $\sqrt{AC} : \sqrt{CB} :: 2 \cdot AC : 2 \cdot CF = BF = 1.20532$, and as $\sqrt{AD} : \sqrt{BD} :: 2 \cdot AD : 2 \cdot \sqrt{AD \cdot DB} = 2 \cdot DI = BG = 2.174028$, the two spaces ranged on the horizontal plane. Also (ibid. p. 224), let b denote the different heights of the fluid above the orifices 2.1792 and 14.1792 inches, $a = \frac{1}{2}$ of the area of the orifice, or the area of the vena contracta, and $g = 193$ inches; then $2 a \sqrt{g b} = 5.37544$ and again $2 a \sqrt{g b} = 13.698$ cubic inches, the quantities discharged per second; these mult. by 300 sec. or 5 min. give 1612.6302 and 4109.4 the quantities discharged by C F and B G, as required.

The same, by Mr John Smith, Allen Park.

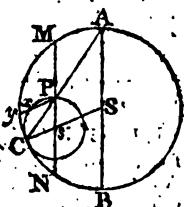
When a vessel is such that if may be lined with lead of a given thickness: at the least possible expence, the difference of the solids made up of the external and internal dimensions of the lining must be a minimum. (See Dr. Hutton's Diarian Miscellany, vol. 1, pa. 166). But if we suppose the lining to be very thin, the internal superficies may be the minimum; and then, the vessel being cylindrical, it is well known that the diameter must be double the depth; whence, by sim. solids, as $2^3 : 8.54 : 1 :: 5600 : 17952.6356$, the cube root of which is 26.1844 the depth, conseq. 52.3688 is the diameter.

Now C and D being the two holes, at the respective distances of 24 and 12 inches from the bottom, or 2.1844 and 14.1844 from the top; then (by Dr. Hutton's Maths. vol. 2, schol to pr 61), $BF = 2 \sqrt{AC \cdot CB} = 14.4811$ inches, and $BG = 2 \sqrt{AD \cdot DB} = 26.0921$ inches, the distances at which the water will fall on the horizontal plane.

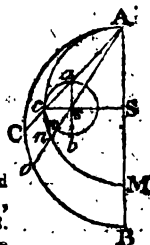
Lastly, let $b = 2.1844$, the height of the water above the upper hole, $a = .1309 = \frac{1}{2}$ of its area, and $g = 193$ inches; then (ibid. cor. 4) $2 a \sqrt{g b} = 5.375434$ cubic inches, is the quantity discharged per second; and this mult. by 5 min. or 300 sec. gives $1612.6302 = 5.7185$ gallons, the quan

XIII. QUESTION (1116), *ans. by J. G. the Proposer.*

Lemma. The line of quickest descent from any point within a circle to the circumference of that circle, passes thro' the superior extremity of the diameter perp. to the horizon. — For, let P be the point, A B the vertical or perp. diam. Join A P, producing it to C; through P draw M P N parallel to A B; join C, S, the centre of A B C, by a line, cutting M P N in S. Now by sim. tri. P s C, A S C, $AS : SC :: Ps : sC$; but $AS = SC$, therof. $Ps = sC$; conseq. a circle described with P s radius will touch A C B in C, and therof. P C is the line of quickest descent. For if any other line P x y be drawn cutting the two circles in x and y; then the time in P x $\neq$ time in P C, therof. time in P y is greater than the time in P C.



Solution. To find the line of quickest descent from the circle a c b to the circle A C B. Let A B, a b be the vertical diameters. By the lemma, whatever point be taken in the circumf. a c b, the line of quickest descent from that point to the circumf. A C B passes through A. Draw A s c, cutting the circles in c and C, then c C is the line required. For through c and s draw c s, meeting A B in S. By sim. tri. A S c, a s c, $AS : Sc :: as : sc$, therof. $AS = Sc$; therof. a circle described with S c as radius will touch A C B in A, and a c c in c, and c C is the line of quickest descent from a c b to A C B. For draw from A, any other line A m n, cutting the three circles in m, n, o; then, by a former prob. time in c C = time in n o, or less than the time in m A.

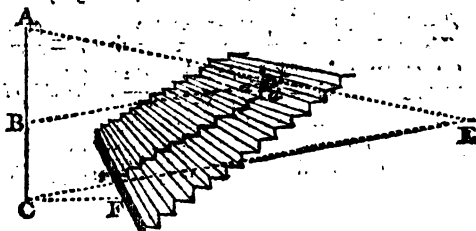


Ingenious answers were also given by Messrs. Barlow, Bennett, Furze, Hopper, Horaby, Lockwood, O'Riordan, Surtees, Watkins, &c.

XIV. QUESTION (1117), *ans. by the proposer.*

In solving this question it will be necessary in the first place to determine the sun's altitude and azimuth, at 1 o'clock A. M. on February 4, 1803; when the sun's declin. is $16^{\circ} 24' 44''$ S. that at noon being $16^{\circ} 24' 44''$ S. Here we shall have, in an oblique spherical triangle, two sides and the included angle; namely, one side equal to $37^{\circ} 24'$, the co-latitude, another equal to $70^{\circ} 24'$, the sun's north polar distance, and the included angle equal to 15° , the hour angle from noon, to find another angle, namely $164^{\circ} 42' 17''$, the sun's azimuth from the north, and the third side $70^{\circ} 14' 15''$ the sun's co-altitude.

Then in the marginal figure, where A C represents the pillar standing perpendicularly, we have in the triangle A C E right angled at C, $AC = 12$ feet, and the angle $A =$ the sun's co-altitude. Where



we obtain 20308519 for CE the length of the shadow, supposing it to fall upon the horizontal line. By the question we have given CP , the nearest distance from the foot of the pillar to the bottom step, = 6 feet, and the shadow CE is manifestly the hypotenuse of a right-angled triangle CEP in which the angle C is equal to $15^{\circ} 17' 43''$ the supplement of the azimuth; and as thie portions of the shadow which fall upon the horizontal parts, or treads, of the steps, will all be parallel to CP , we shall have $Rad. \therefore \sec;$

$15^{\circ} 17' 43'' \therefore \left. \begin{array}{l} 6 : 62203304 :: Cr \\ 1 : 10368217 :: id \end{array} \right\} \text{the length of the shadow on the face, or tread, of a step.}$ From similar triangles we have $AC : CE :: AB : BD$. Now, by supposing the line AE terminating the shadow to coincide with d , the bottom of the 12th step, we have $AB = 642$ and using the above proportion we find BD comes to more than $Cr + 11 id$; and supposing AE to coincide with e the top of that step, then $AB = 5$, and BD comes out less than $Cr + 11 id$. Hence then it appears that the top of the shadow will fall on the vertical line, or riser, between the 11th and 12th step; therefore BD will be equal to $62203304 + 10367217 \times \frac{11}{12} = 17624263$. And we have $CE : AC :: BD : BA = 63321077$ feet; this taken from CE leaves 56678923 , for the sum of the portions of the shadow found upon the vertical parts; or risings, of the first 12 steps, these parts of the shadow being obviously parallel to AC : of this we have $1678923 = Dd$, the portion on the riser of the 12th step, = e . Again $10397217 \times \frac{11}{12} = 954039387$ sum of the portions of the shadows found upon the horizontal parts, or treads, of the steps. Therefore $56678923 + 954039387 = 1010718310$ feet, length of shadow upon the steps; which added to $62203304 (= CP)$ gives 1072921614 feet, distance, measuring along the steps, from the foot of the pillar to the extremity of the shadow.

N.B. In this solution no notice has been taken of refraction, or of the sun's semidiameter and parallax; had these been taken into the account CE would have been shorter—and D might probably have fallen upon the face of the 11th step. They were omitted in order to shew the nature of the calculation when the extremity of the shadow was found on the rising part of a step.

This question was also answered by Messrs. Benet, Codling, Estlin, England, Ewbank, Furness, Hoppot, Hornby, Jones, O'Riordan, O'Sullivan, Skewes, Surtees, Thomas, Watkins, Wright, &c.

XV. OF PRIZE QUESTION (1118), answered by Amicus, the Proposer.

Since the first square must necessarily be a fraction, let its root or No. 1, be denoted by $\frac{a^2 - b^2}{2ab + a^2 - b^2}$, and Nos. 2 and 3 by $\frac{a^2 - b^2 - 2ab}{a^2 + b^2}$, so that $\frac{(a^2 + b^2)^2}{4ab + a^2 - b^2} + 13 = \frac{(2ab + a^2 - b^2)^2}{a^2 + b^2} + 13$. The dif. of these two equations

2. We are sorry to announce the death of this old Friend and Correspondent, the Rev. Charles W. Thibault, which happened the 30th Oct. 1802, being 85 years of age. Some account of his life may be seen in the Genl. Mag. vol. 72, p. 425. 1803; in the Monthly Mag. vol. 13, p. 406, 1803.

In the same answer (pa. 41) it is found by theor. 1, that $13 \times 25 = 36$ is a square; and conseq. $\frac{13 \times 25}{25} = \frac{36}{25}$ must be a square. But 13 or $\frac{13 \times 25}{25}$ or $\frac{325}{25}$ is composed of the squares $\frac{324}{25} + \frac{1}{25}$, whose roots are $\frac{18}{5}$ and $\frac{1}{5}$, being Nos. 8 and 9. for their double rectangle $\frac{18}{5} \times \frac{1}{5} \times 2$ or $\frac{36}{25}$ (a square) whose root is $\frac{6}{5}$, or No. 10. And since the sum of two squares plus and minus twice the rectangle of their roots, are always squares, theref. $13 + \frac{36}{25}$ and $13 - \frac{36}{25}$ will be squares, the roots being $3\frac{4}{5}$ and $3\frac{2}{5}$ which are Nos. 11 and 12.

Errat. in the answer alluded to (p. 41) for $d + 2^2$ read $d + 2$.

Other ingenious answers to this quest, were also given by Messrs. S. Barlow, J. Bennett, H. Codling, J. Callyer, W. Green, J. Furness, Sam. Johnson, J. Moran, Rd. Nicholson, M. O'Riordan, J. Ryley, Sam. Ryley, Tho. Scurr, Ed. Smith, Tho. Smith, J. Surtees, Wm. Watkins, &c.

NEW QUESTIONS.

I. QUEST. (1119), by Mr Henry Lightbown, near Blackburn.

Given $\sqrt{x} - \sqrt{y} = a$, and $\sqrt{x - y} = b$: to find x and y .

II. QUEST. (1120), by Mr Tho. Hopper, Excise Officer.

Four persons playing a game at whist—one of them proposed to take 100 guineas to 1, that he had all the aces in his own hand. Quere his advantage or disadvantage, and how much?

III. QUEST. (1121), by Mr J. Lockwood.

Having given the perimeter of a right-angled triangle $= 77\frac{1}{2}$, to find the sides when a perpendicular from the right-angle cuts the hypothenuse in extreme and mean proportion.

IV. QUEST. (1122), by Mr. W. Watkins, Heddon-on-the-Wall.

If from any points, in the arc of a given quadrant, sines be drawn; and if through the same points and the centre there be drawn lines equal to the radius and respective versed sines; a curve line will be formed by the extremities of these, whose equation is required.

V. QUEST. (1123), by Mr Peter Barlow, Shipdham.

If a conical vessel, whose depth is 2 feet, and top or greatest diameter 15 inches, being fixed with its vertex downwards, be filled with water; what quantity will run over, by placing vertically therein a parabolic conoid, vertex downward, and its two dimensions the same as those of the vessel?

VI. QUEST. (1124), *by Mr Matthew Terry, Lancaster.*

Suppose a cone of oak, when lying on its slant side on a horizontal plane, be rolled round its vertex as a centre, and in two revolutions of its base to describe a circle; then lifting up its vertex till the axis be in a horizontal position, it required a vertical force of 100 pounds there just to balance it in that position, the edge of the base resting on the plane. The solidity of the cone is required, its specific gravity being 925?

VII. QUEST. (1125), *by Mr J. Chantry, Boston.*

A ladder, 60 feet long lying, on the ground, in a position at right angles with an upright wall, with the end of it touching the bottom of the wall; the ladder then being reared by sliding the touching end directly up the wall, while the other end moved along the ground, till the top of the ladder reached the top of the wall; during this motion it was observed, that the middle round of step in the ladder, of 12 inches long, described an area or space of 24 square feet. What is the height of the wall?

VIII. QUEST. (1126), *by Mr Tho. Smith, Hetherfest..*

In a plane triangle, are given, the difference of the sides, the difference of the angles at the base, and the radius of the inscribed circle; to construct the triangle.

IX. QUEST. (1127) *by Mr Wm Burdon, Acafer Malbis.*

There is a vessel in the form of the frustrum of a cone, the perp. depth of which is 36 inches, top diam. 50 inches, and bottom diam. 40 inches. If this vessel be full of water, in what time will it empty itself through an orifice at the bottom of half an inch diameter: and what ought the diameter to be, if made in the greater end, that the vessel, when inverted, may empty itself in the same time as the former; supposing, in both cases, the section of the issuing stream is contracted to two-thirds the area of the orifice, as it commonly is, nearly.

X. QUEST. (1128) *by Mr John Bennett, Redruth.*

On the middle of the ascent from the southern extremity of a beautiful hill, in form of a cone, a gentleman has a summer-house; leading to which he has a winding coach road, rising gradually one sixth part of its length, going quite round the hill, which is 5230 feet or one mile in length. Required to determine the dimensions of the hill.

XI. QUEST. (1129) *by Mr J. G. Cambridge.*

To determine the line of quickest descent from one circle to another, the latter lying wholly within the former.

XII. QUEST. (1130) *by Mr John Surtees, Haughton-le-Spring.*

Suppose an ivory spinning top (its shape a paraboloid, absciss equal 3 inches, and ordinate 1) be put in motion on a smooth horizontal plane, its axis making an angle of 75 degrees, and the point touching the plane describing a circle whose radius is 6 inches. It is required to determine the

ne of one revolution round its own axis when the motion is an exact balance for gravity.

XIII. QUEST. (1831), by Mr. John Moran, Mount Byrne.

To find three square numbers, the sum of every two of which shall make rational square numbers; from the sum of whose roots if you subtract the ea of a rational right-angled triangle, the remainder shall be such a square number, as being decreas'd by each side of the triangle respectively, the several remainders shall form three rational square numbers in arithmetical progression. Required the three original squares, and the sides of the triangle, with a general method of investigation.

XIV. QUEST. (1832) by Mr John Ryley, Leeds.

Required to find three numbers, such that when each is severally added to the cube of their sum, the respective sums shall be a cube number.

V. or PRIZE QUESTION (1833), by Mr. Isaac Robinson, Teacher of the Mathematics at West Hudders.

To be answered before Feb. 1.

In a gentleman's park (which is a level plain) is an elliptical piece of land; in the area of which is a pond, of such a nature, that if right lines be drawn through a given point P in the transverse axis, to cut the curve in Q, and from Q an ordinate be drawn at right angles to the transverse axis, cutting it in R, and from R a perp. be descended on P Q cutting it in S, the point S will be in the middle of the pond. Now the gentleman (who is very whimsical one) having ordered his steward to set out a circular piece of land, and to make a pond in the area thereof, of the same nature as the water (the point P to be at the centre) and the area of the pond to be exactly 30 acres; but the steward being no mathematician, requests the ingenious correspondents of the Ladies' Diary to give the equation of the curve in the first case, with the radius of the circle, and to describe the pond, and give its greatest semiordinate in the latter case.

* * * The Prizes for the several Solutions have been determined by Lot as follows: First, for the *verse Enigma* to Mr. J. Brookbank and Mr. H. W. Miers, each 8 Diaries. 2d, For the General *verse* to Mr. Miers and Mr. Thomas Wilson, each 3 Diaries. 3d, For the *Reverse* to Mr. D. Roberts and Mr. F. Scott, each 6 Diaries. 4th, For the *Prize Question* to Mr. John Ryley and the Rev. Mr. Scurr, each 10 Diaries. All of whom will please to send some person in London to call for them, on their account, at Stationer's Hall.

††† Letters for the use of the Diary to be directed thus, "To the Author of the Ladies Diary, Stationer's Hall, London." Which must be all Post paid or franked, otherwise they cannot be received; and the *copy* of them to come to hand before the end of April; but those with the solution of the *verse Enigma* or *Prize Question* before Feb. 1. And, going with our *New Questions*, *Enigmas*, *Riddles*, and *Charades*, their answers must be sent.

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ALMANACK

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1804,

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JANUARY XXXI Days.

If illustrious GEORGE on Jacob's God rely,
His Enemies before his Face shall fly;
His Royal Navy He at Sea will bless,
And in succeeding Battles give Success;
Traitors at Home, and Foes Abroad, He'll make
The Victims of his Anger for His Sake.

W D	Fasts and Festivals.	○ h	D's Signs	D's A	D rises and sets	Mutual Asp. and Weather.
1 A	Circumcision	10	bowels	19	9 a 11	□ h 3
2 M	Day break 5 59	11	and	20	10 23	Frosty, with
3 Tu	Tw. ends 6 2	12	belly	21	11 33	□ 4 2
4 W	Day 7 54 long	13	reins	22	morn.	Δ h 2
5 Th	Night 16 4 l.	14	loins	23	0 42	cold winds.
6 F	Epiph. Tw. Day	15	secret	24	1 53	
7 S	[Old Chris.	16	memb.	25	3 5	
8 A	1 S. after Epiph.	17	Lucian.	26	4 16	Rather more
9 M	Plow Monday	18	hips	27	5 25	Δ h 2, □ 4 2
10 Tu	Day incr. 22 m.	19	thighs	28	6 29	open, but
11 W	h rises 10 39 aft.	20	knees	29	7 22	not without
12 Th	u rises 1 33 mo.	21	and	N	sets	wind and
13 F	Hilary. Cam. T. b.	O. N. Y. D		2	4 a 47	rain.
14 S	Ox. Term. beg.	23	hams	3	6 10	
15 A	2 S. after Epiph.	24	angles	4	7 33	
16 M	3 rises 7 25 mo.	25	feet	5	8 56	Rough winds
17 Tu	2 sets 6 11 aft.	26	toes	6	10 18	perhaps frost
18 W	Q. Char. b. d. k.	27	Prisca	7	11 42	and snow.
19 Th	[O. Tw. Day	28	face	8	morn.	
20 F	Fabian	29	neck	9	1 8	
21 S	Agnes	=	throat	10	2 35	
22 A	3 S. after Epiph.	1	Vincent	11	4 0	Dark cloudy
23 M	Hil. T. begins	2	should.	12	5 14	weather.
24 Tu	2 sets 6 3 aft.	3	breast	13	6 16	Δ ○ h
25 W	Conver. St. Paul	4	stom.	14	7 15	□ ○ 4
26 Th	D eclipsed, visib.	5	heart	F	rises	Frosty and
27 F	D. of Sussex b.	6	and	16	5 a 21	more fair to
28 S	Day br. 5 35	7	back	17	6 38	the end.
29 A	Septuagesima S.	8	bowels	18	7 54	
30 M	K. Ch. I. Mart.	9	belly	19	9 4	Δ 4 2
31 Tu	Tw. ends 5 31	10	reins	20	10 15	

The 4 day, at 2 morn. Saturn
 The 6 day, at 1 aftern. Jupiter
 The 12 day, at 2 morn. Mars
 The 14 day, at 3 morn. Mercury
 The 14 day, at 4 aftern. Venus
 The 31 day, at 10 morn. Saturn

} is with
 the Moon.

M D	Sun rises	Sun sets	Moon South
A 8	5 3	55	3 m 14
2 8	4 3	56	3 57
3 8	4 3	56	4 38
4 8	3 3	57	5 17
5 8	2 3	58	5 57
6 8	1 3	59	6 39
7 8	0 4	0	7 23
A 8	0 4	0	8 9
9 7	59 4	1	8 59
10 7	58 4	2	9 52
11 7	57 4	3	10 46
12 7	56 4	4	11 41
13 7	54 4	6	0 a 34
14 7	53 4	7	1 25
A 7	52 4	8	2 15
16 7	51 4	9	3 2
17 7	50 4	10	3 49
18 7	48 4	12	4 37
19 7	47 4	13	5 27
20 7	46 4	14	6 20
21 7	44 4	16	7 17
A 7	42 4	17	8 16
23 7	41 4	19	9 17
24 7	40 4	20	10 17
25 7	38 4	22	11 13
26 7	37 4	23	morn.
27 7	35 4	25	0 6
28 7	34 4	26	0 55
A 7	32 4	28	1 40
30 7	31 4	29	2 22
31 7	29 4	31	3 3

Monthly Observations.

Rain fallen in Jan. 1803, at London, was only one-tenth and a half of an Inch, so that there was very little Rain,

LAST Quart. 4 day, at 10 night

but the Month was cold and dry.

Rain or Snow, more or less, may be expected about the 4th, 11th, and 24th Days of this Month; the Day before, or the Day after.

NEW Moon, 12 day, at 9 night

Courteous Reader,

At the Top of these Pages you have, in each Month, the Quantity of Rain fallen therein, as it was taken at the Royal Society's House in London, in

FIRST Quart. 19 day, at 10 night

the Year 1802; and is put down in Inches and decimal Parts of an Inch; and it is the Depth the Water would have amounted to, had it stagnated on an even Surface upon the Earth, and had not been imbibed thereby, or less.

FULL Moon, 26 day, at 9 night.

ened by Evaporation. And, under this, I have also given you, as usual, the nearest Time to a Day or Two, when there is a Probability, according to Planetary

FEBRUARY XXIX Days.

Let us esteem those Men that do oppose
Both foreign Lions and domestic Foes.
Now is the Time to show ourselves like Men,
And loyal loving Subjects too; and then
May Laurel Wreaths, and never-fading Bays,
Still crown our Heads in these unsettled Days.

W	Fasts and Festivals.	O	D's Signs	D's A	D rises and sets	Mutual Asp. and Weather.
1 W	Day 9 6 long	12	and	21	11 a 27	Sleet or
2 Th	Pur. or Candl. d.	13	loins	22	morn.	showers at
3 F	Blase	14	secret	23	0 39	the begin-
4 S	Night 14 44 lo.	15	memb.	24	1 51	ning.
5 A	Sexagesima S.	16	hips	25	3 3	
6 M	[Agatha	17	and	26	4 7	☉ ☽
7 Tu	Day incr. 1 45	18	thighs	27	5 5	Now frosty,
8 W	☿ rises 8 39 aft.	19	knees	28	5 51	☿ ☽
9 Th	☿ rises 11 43 aft.	20	hams	29	6 25	and more
0 F	☽ rises 6 40 mo.	21	legs	30	6 50	fair.
1 S	☾ eclipsed visib.	22	ankles	N	sets	☾ ☽
2 A	Shrove Sunday	23	feet	2	6 a 33	Temperate
3 M	Hilary E. ends	24	toes	3	7 57	and more
4 Tu	Shrove Tu. Val.	25	O. Can.	4	9 21	open wea-
5 W	Ash Wednesday	26	face	5	10 50	ther.
6 Th		27	neck	6	morn.	☉ ☽ ☿
7 F	Cam. Ter. div. n.	28	throat	7	0 18	Now wind
8 S	☿ sets 7 48 aft.	29	arms	8	1 45	and rain may
9 A	☿ in Lt. Quad.	☿	and	9	3 3	be expected.
0 M	☿ rises 5 54 mo.	1	should.	10	4 8	Snow or
1 Tu	Day br. 4 56	2	breast	11	4 58	☿ ☽ ☿
2 W	Ember Week	3	stom.	12	5 31	cold rain
3 Th	Twi. ends 7 7	4	heart	13	5 56	now about.
4 F	St. Matthias, D.	5	back	14	6 15	
5 S	[of Camb. b.	6	bowels	F	rises	☿ ☽ ☿
6 A	2 Sund. in Lent	7	belly	16	6 a 49	
7 M	Day 10 42 long	8	reins	17	7 59	Frosty and
8 Tu	Night 13 14 lo.	9	and	18	9 10	more fine.
9 W	☿ rises 7 11 aft.	10	loins	19	10 22	

Jupiter will be a Morning Star till April 21, then an Evening Star till November 3; and then a Morning Star to the End.

MOORE. FEBRUARY, 1804.

5

The 3 day, at 2 morn. Jupiter
 The 10 day, at 4 morn. Mars
 The 10 day, at 9 aftern. Mercury
 The 13 day, at 6 aftern. Venus
 The 27 day, at 3 aftern. Saturn

is with
 the Moon.

M D	Sun rises	Sun sets	Moon South
1	7 27	4 33	3 m 43
2	7 25	4 35	4 25
3	7 24	4 36	5 8
4	7 22	4 38	5 54
A 7	20	4 40	6 42
6	7 19	4 41	7 33
7	7 17	4 43	8 27
8	7 15	4 45	9 22
9	7 13	4 47	10 16
10	7 11	4 49	11 9
11	7 9	4 51	0 a 1
A 7	8	4 52	0 51
13	7 6	4 54	1 40
14	7 4	4 56	2 29
15	7 2	4 58	3 20
16	7 0	5 0	4 13
17	6 58	5 2	5 9
18	6 56	5 4	6 8
A 6	54	5 6	7 8
20	6 52	5 8	8 8
21	6 51	5 9	9 5
22	6 49	5 11	9 58
23	6 47	5 13	10 48
24	6 45	5 15	11 34
25	6 43	5 17	morn.
A 6	41	5 19	0 17
27	6 39	5 21	0 59
28	6 37	5 23	1 40
29	6 35	5 25	2 21

Monthly Observations.

Rain fallen in Feb. 1802, at London was one Inch and five tenths. This

LAST Quart. 3 day, at 7 night

Month was more mild, yet wetter than the last.

Rain or Snow, more or less, may be expected about the 6th, 11th, 16th, 21st and 25th Days of this Month.

etary Influences, of Rain or Snow,

NEW Moon, 11 day, at 11 morn.

more or less in Quantity, and that within the Compass of Three Days, I naming always the middle Day; but, as it is a novel Thing, and has never been attempted before by any Person that I know of, until I brought it forward,

FIRST Quart. 18 day, at 5 aftern.

I hope the candid Reader will excuse any Failures therein, for I do not expect all of them to hit right, though I will be bold to say the greatest Part of them will, for I have had the Sa-

FULL Moon, 25 day, at 1 aftern.

satisfaction to find it so for a Number of Years past, ever since I have introduced it. And, whatever some People

Venus will be an Evening Star till August 4; then a Morning Star to the Year's End.

MARCH XXXI Days.

Britain, Britain, rouse! let thy Glory spread,
Rouse up as one new risen from the Dead;
Let no domestic Fears your Minds perplex,
Then can no foreign Foe your Borders vex.
Heav'n takes no Bribes; do but the Thing that's just,
And be rewarded equal with your Trust.

M. D.	W. D.	Fasts and Festivals.	☉ ✕	☿ Signs	♂ A	♂ rises and sets	Mutual Asp. and Weather.
1	Th	David	11	secret	20	11 a 35	* ♀ ☿
2	F	Chad.	12	mem-	21	morn.	Some wind
3	S	☿ rises 10 15 af.	13	bers	22	0 47	and wet at
4	G	3 Sun. in Lent	14	hips	23	1 55	the begin-
5	M	♂ rises 5 54 mo.	15	thighs	24	2 58	ning.
6	Tu	♀ sets 8 46 aft.	16	knees	25	3 45	
7	W	Perpetua	17	hams	26	4 24	
8	Th	♀ rises 5 39 mo.	18	legs	27	4 54	Fair and
9	F	Day br. 4 26	19	ances	28	5 16	more fine for
10	S	Tw. ends 7 36	20	feet	29	5 33	the season.
11	G	Midlent Sunday	21	and	N	sets	
12	M	Gregory	22	toes	2	6 a 58	
13	Tu	Day 11 42 long	23	head	3	8 30	Now expect
14	W	Night 12 10 lo.	24	face	4	10 1	rough winds,
15	Th	Day incr. 4 10	25	neck	5	11 32	with fre-
16	F	☿ rises 6 6 aft.	26	throat	6	morn.	* ♂ ♀, ♂ ♂ ♀
17	S	St. Patrick	27	arms	7	0 56	* ♀ ☿
18	G	5 S. in Lt. Edw.	28	should.	8	2 7	8 24 ♀, Δ 24 ♀
19	M	[K. W. S.]	29	breast	9	3 4	quent storms
20	Tu	☿ rises 9 7 aft.	☿	stom.	10	3 42	Δ 24 ♂
21	W	Benedict	1	heart	11	4 7	8 ☉ ☿
22	Th	♂ rises 5 17 mo.	2	back	12	4 28	of hail, rain,
23	F	♀ sets 9 37 aft.	3	C.T.e..	13	4 45	or snow.
24	S	♂ rises 5 32 mo.	4	Or.T.e.	14	4 58	
25	G	Palm S. Lady D.	5	belly	15	5 11	
26	M	Day br. 3 48	6	reins	F	rises	Frosty, and
27	Tu	Tw. ends 8 15	7	loins	17	8 a 16	more fair
28	W	Day 12 42 long	8	secret	18	9 27	to the
29	Th	Maundy Thursd.	9	mem-	19	10 38	month's
30	F	Good Friday	10	bers	20	11 49	end.
31	S	Night 11 8 lo.	11	hips	21	morn.	

The 1 day, at 10 morn. Jupiter
 The 9 day, at 11 night, Mercury
 The 10 day, at 6 morn. Mars
 The 14 day, at noon, Venus
 The 25 day, at 7 aftern. Saturn
 The 28 day, at 2 aftern. Jupiter

} is with
 the Moon.

M D	Sun rises	Sun sets	Moon South	Monthly Observations.
1	6 33	5 27	3m 4	<i>Rain fallen in March, 1802, at Lon-</i>
2	6 31	5 29	3 48	<i>don, was only four-tenths of an Inch.—</i>
3	6 29	5 31	4 36	<i>A fine dry Seed-time.</i>
G 6	27 5 33	5 3	26	LAST Quart. 4 day, at 4 aftern.
5	6 25	5 35	6 18	Rain or Snow, more or less, may be
6	6 23	5 37	7 11	expected about the 1st, 12th, 16th, 21st,
7	6 21	5 39	8 5	and 26th Days of this Month.
8	6 19	5 41	8 59	ple may suppose, it is not mere Guess
9	6 17	5 43	9 51	Work; neither these, nor the Weather
10	6 15	5 45	10 42	
G 6	13 5 47	5 11	33	NEW Moon, 11 day, at 11 night
12	6 11	5 49	0 a 23	given in the Columns, but are founded
13	6 9	5 51	1 15	on Astrological and Philosophical Prin-
14	6 7	5 53	2 9	ciples. I have experienced the Truth
15	6 5	5 55	3 6	thereof for many Years, and I know
16	6 3	5 57	4 6	great Things may yet be done, but
17	6 1	5 59	5 8	it requirrs much Study and patient
G 5	59 6 1	6 9	9	FIRST Quart. 18 day, at 2 aftern.
19	5 57	6 3	7 7	Thought, as all our other Calculations
20	5 55	6 5	8 1	and Predictions do. For more Parti-
21	5 53	6 7	8 51	culars, see my former Almanacks, where
22	5 51	6 9	9 38	these Things have been more fully men-
23	5 49	6 11	10 21	tioned, and insisted upon. Journals of
24	5 47	6 13	11 3	the Weather should be kept in different
G 5	45 6 15	11 44		Parts of the Kingdom; and published
26	5 43	6 17	morn.	FULL Moon, 26 day, at 5 morn.
27	5 41	6 19	0 25	from Year to Year; this, in Time, would
28	5 39	6 21	1 8	tend to bring Meteorology to greater
29	5 37	6 23	1 52	Perfection.
30	5 36	6 24	2 38	
31	5 34	6 26	3 37	

Still unabated let your Courage glow,

Unsoften'd by the — coward Tears;

Till, humbled in the Dust, each stubborn Foe

Or yields, or bleeds upon your vengeful Spears;

Till haughty B — e your Indignation feel,

Till Co — s tremble, and till Re — s kneel.

M	W	Fasts and	☉	D's	D's	D rises	Mutual As
D	D	Festivals.	T	Signs	A	and sets	and Weather.
1	G	Easter Day	12	thighs	22	0 m 53	Windy, with
2	M	Easter Monday	13	knees	23	1 46	some wet.
3	Tu	East. Tu. Rich.	14	and	24	2 32	
4	W	Ambrose	15	hams	25	3 1	
5	Th	Day incr. 5 31	15	legs	26	3 25	
6	F	Old Lady-Day	16	ankles	27	3 44	Now fair
7	S	h sets 5 16 mo.	17	feet	28	4 1	and more
8	G	Law Sunday	18	toes	29	4 17	Δ h 2
9	M	h rises 7 42 aft.	19	head	30	4 32	pleasant
10	Tu	h rises 4 33 mo.	20	face	N	sets	weather
11	W	Orf. & Cam. T.b.	21	neck	2	9 a 8	for the farm-
12	Th	h sets 10 51 af.	22	throat	3	10 39	er's seed-
13	F	h rises 5 16 mo.	23	arms	4	11 59	time.
14	S	Day br. 3 0	24	should.	5	morn.	
15	G	2 S. after Easter	25	breast	6	1 3	Somewhat
16	M	Tw. ends 9 6	26	stom.	7	1 48	6 0 8
17	Tu	Day 13 58 long	27	heart	8	2 19	windy, with
18	W	Easter T. beg.	28	and	9	2 41	8 4 8
19	Th	Alphege	29	back	10	2 59	8 h 8
20	F	Night 9 50 long	8	bowels	11	3 12	8 0 4
21	S	Day incr. 6 30	1	belly	12	3 25	stormy wea-
22	G	3 S. after Easter	2	reins	13	3 38	ther, and
23	M	St. George	3	and	14	3 51	thunder in
24	Tu	h sets 4 11 mo.	4	loins	F	rises	some places.
25	W	St. Mark. Prs.	5	secret	16	8 a 35	
26	Th	[Mary b]	6	memb.	17	9 44	Pleasant
27	F	h rises 6 40 aft.	7	hips	18	10 50	weather
28	S	h rises 3 50 m.	8	and	19	11 46	near the
29	G	4 S. after Easter	9	thighs	20	morn.	end.
30	M	h sets 11 36 af.	10	knees	21	0 33	

The 8 day, at 6 morn. Mars
 The 9 day, at 8 aftern. Mercury
 The 13 day, at 8 morn. Venus
 The 21 day, at 9 aftern. Saturn
 The 24 day, at 2 aftern. Jupiter

} is with
 the Moon.

M D	Sun rises	Sun sets	Moon South	Monthly Observations.
G	5 32	6 28	4 m 18	<i>Rain fell in April, 1804, at London, was one Inch and no more. It</i>
2	5 30	6 30	5 10	LAST Quart. 3 day, at 9 morn.
3	5 28	6 32	6 3	
4	5 26	6 34	6 55	<i>was a pleasant Month, and Vegetation</i>
5	5 24	6 36	7 46	<i>forward.</i>
6	5 22	6 38	8 36	Rain or Sleet, more or less, may be
7	5 20	6 40	9 26	expected about the 9th, (19th, perhaps
G	5 18	6 42	10 16	Thunder) and 25th Days of this Month.
9	5 16	6 44	11 7	
10	5 14	6 46	0 a 1	NEW Moon 10 day, at 8 morn.
11	5 12	6 48	0 59	<i>Astrological Observations and Predic-</i>
12	5 10	6 50	2 0	<i>tions, and other Remarks, respect-</i>
13	5 8	6 52	3 3	<i>ing the Affairs of the World.</i>
14	5 6	6 54	4 7	WHAT a Theatre is Europe now be-
G	5 5	6 55	5 8	FIRST Quart. 16 day, at 12 night.
16	5 3	6 57	6 5	
17	5 1	6 59	6 57	come! The French Government strug-
18	4 59	7 1	7 44	gling for Power; the Dutch struggle un-
19	4 57	7 3	8 28	der the Groans of Tyranny and Oppres-
20	4 55	7 5	9 10	sion; and England also struggles with a
21	4 53	7 7	9 51	dissatisfied factious Race of Mortals, who
G	4 51	7 9	10 22	endeavour to promote Broils, and breed
23	4 50	7 10	11 13	Confusion, &c. amongst us; and this I
24	4 48	7 12	11 57	FULL Moon, 24 day, at 10 night.
25	4 46	7 14	morn.	am sorry to say. The Opposition of Sa-
26	4 44	7 16	0 42	turn and Mars, which happens this
27	4 42	7 18	1 30	Month, will have some very evil and
28	4 40	7 20	2 20	remarkable Effects during Part of this
G	4 39	7 21	3 12	Year—it will arm Mankind with Fury
30	4 37	7 23	4 4	and Madness, both by Sea and Land, &c.

M A Y XXXI Days.

Great Preparations in some Parts are made,
 mischievous Projects most profoundly laid;
 Disorders come, with Discontent and Jars,
 Rapines, and Murders, and intestine Wars;
 Deep Thoughts have those who weighty Sceptres wield;
 Great Consultations in this Month are held.

W D	Fasts and Festivals.	☉ 8	☿ Signs	☿ A	☿ D rises and sets	Mutual Asp. and Weather.
Tu	St. Phil. & James	11	hams	22	1 m 7	Δ ♄ ♄
W	☿ sets 9 10 aft.	12	legs	23	1 33	Windy, with
Th	Inv. of the Cross	13	ankles	24	1 54	fruitful
F	Day br. 1 55	14	feet	25	2 11	☐ ♄ ♄
S	Twil. ends 10 12	15	toes	26	2 26	Δ ♄ ♄
G	Rogation Sund.	16	head	27	2 40	John Ev. a Pl.
M	Duch. of York b.	17	face	28	2 56	showers now
Tu	Day 15 14 long	18	neck	29	3 13	about.
W	Night 8 44 long	19	throat	N	sets	
Th	Asc. Holy Thurs.	20	arms	2	9 a 35	Dry weather
F	Day incr. 7 39	21	should.	3	10 48	with cooling
S	☿ sets 3 0 mo.	22	breast	4	11' 43	gales of
G	S. aft. Asc. Old	22	and	5	morn.	wind.
M	Term e. [May D.	23	stom.	6	0 20	
Tu	☿ sets 3 36 mo.	24	heart	7	0 45	
W	☿ rises 3 2 m.	25	back	8	1 6	
Th	Prs. of Wales b.	26	bowels	9	1 24	Cold and
F	[Oxf. T. e.	27	belly	10	1 36	Δ ☉ ♄
S	Q. Charlotte b.	28	Dunst.	11	1 49	cloudy a few
G	Whit Sunday	29	and	12	2 1	days.
M	Whit Monday	30	loins	13	2 14	
Tu	Whit T. Prs. E.b.	1	secret	14	2 30	
W	Ember Week	2	memb.	15	2 48	Fine and
Th	Cam. T. dic. m.	3	hips	F	rises	more plea-
F	☿ sets 11 45 aft.	4	and	17	9 a 35	sant.
S	Augustin	5	thighs	18	10 30	
G	Trinity Sunday	6	knees	19	11 7	☿ ♄ ♄
M	[Venc. Bede	7	hams	20	11 35	Warm, with
Tu	K. Ch. II. resto.	8	legs	21	11 58	thunder
W	Oxf. Term begin	9	and	22	morn.	claps in
Th	Corpus Christi	10	ankles	23	0 16	some places

MOORE. MAY, 1804.

1

The 7 day, at 6 morn. Mars
 The 11 day, at 5 morn. Mercury
 The 12 day, at 9 aftern. Venus
 The 19 day, at 1 morn. Saturn
 The 21 day, at 2 aftern. Jupiter

is with
 the Moon

M D	Sun Rises	Sun Sets	Moon South
1	4 35	7 25	4 m 53
2	4 34	7 26	5 45
3	4 32	7 28	6 34
4	4 30	7 30	7 22
5	4 28	7 32	8 9
G 6	4 27	7 33	8 58
7	4 25	7 35	9 49
8	4 23	7 37	10 44
9	4 22	7 38	11 44
10	4 20	7 40	0 a 47
11	4 19	7 41	1 52
12	4 17	7 43	2 56
G 13	4 16	7 44	3 57
14	4 14	7 46	4 53
15	4 13	7 47	5 43
16	4 11	7 49	6 29
17	4 10	7 50	7 12
18	4 8	7 52	7 53
19	4 7	7 53	8 33
G 20	4 6	7 54	9 14
21	4 4	7 56	9 57
22	4 3	7 57	10 41
23	4 2	7 58	11 28
24	4 0	8 0	morn.
25	3 59	8 1	0 17
26	3 58	8 2	1 9
G 27	3 57	8 3	2 0
28	3 56	8 4	2 51
29	3 55	8 5	3 41
30	3 54	8 6	4 30
31	3 53	8 7	5 17

Monthly Observations.

Rain fallen in May, 1802, was

LAST Quart. 2 day, at 11 night
inch and two-thirds at London.
Month, for the most part, was cold
unseasonable.

Rain, more or less, may be expected
 about the 4th, 18th, and 27th (Th
 der) Days of this Month.

NEW Moon, 9 day, at 4 aftern

Some Difficulties and Disturbances
 will be assuredly manifested about
 Time; and, where Armies are opposed,
 expect to hear of a bloody Battle. In
 ny subtle Consultations are on Foot

FIRST Quart. 16 day, at 11 morn
 tending to eminent Revolutions. In
 Affairs now appear in a better Posture
 than they have been for some Time
 past; the mighty and terrible Cloud
 which hath of late hovered over
 Horizon seems to break and move
 and I hope not to discharge its Fury

FULL Moon, 24 day, at 2 aftern
 some other Places Spain and Italy
 in Distress; the German Empire
 very easy; France very active, but
 miscarry in some of her Designs and
 fined Politics.

7

JUNE XXX Days.

May such as Treason in their Hearts contrive,
 No longer than the Thoughts thereof survive;
 May all the Good that you can wish succeed,
 And who obstructs it, be to Shame decreed!
 False News prevails; though some believe it not;
 There's base Designs, or else a roguish Plot.

M D	W D	Fasts and Festivals.	☉ II	☿ Signs	D's A	☽ rises and sets	Mutual Asp. and Weather
1	F	Nicomede. Trin.	11	feet	24	0 30	
2	S	[Term beg.	12	toes	25	0 44	* 2 ☽, ☐ 2 ☽
3	G	1 S. after Trin.	13	head	26	0 59	Fair and hot.
4	M	K. Geo. III. b.	14	face	27	1 16	
5	Tu	D. Cumb. b Bo-	15	neck	28	1 36	
6	W	[in face	15	throat	29	2 4	Now expect
7	Th	☽ sets 8 5 aft.	16	arms	N	sets	some flying
8	F	Day 16 26 long	17	should.	2	9 a 25	☉ ☽
9	S	Night 7 32 long	18	breast	3	10 12	showers.
10	G	2 S. after Trin.	19	stom.	4	10 44	
11	M	St. Barnabas	20	heart	5	11 7	
12	Tu	Day incr. 8 45	21	back	6	11 24	Fine and
13	W	☽ sets 1 15 mo.	22	bowels	7	11 38	pleasant
14	Th	☽ sets 1 30 mo.	23	and	8	11 50	weather
15	F	☽ rises 11 56 aft.	24	belly	9	morn.	now about.
16	S	☽ sets 10 58 aft.	25	reins	10	0 2	
17	G	3 S. after Trin.	26	loins	11	0 16	
18	M	[St. Alban	27	seeret	12	0 31	☐ ☉ ☽
19	Tu	☽ rises 3 20 m.	28	mem-	13	0 49	Cooling
20	W	Ter. c. Trani. Ed.	29	bers	14	1 12	gales, and
21	Th	Longest Day	30	hips	15	1 48	cloudy,
22	F	Day 16 34 long	1	thighs	16	2 25	with show-
23	S	Night 7 28 lo.	2	knees	F	rises	ers of rain.
24	G	4 S. af. Tr. Nat.	3	Midmr	18	9 a 35	
25	M	[J. Bap.	4	legs	19	9 58	The weather
26	Tu	Day decr. 4 m.	5	and	20	10 17	is hot about
27	W	☽ sets 11 47 af.	6	ankles	21	10 33	☐ ☉ ☽ * 2 ☽
28	Th	☽ sets 0 31 m.	6	feet	22	10 46	this time,
29	F	St. Peter	7	toes	23	11 0	with show-
30	S	☽ rises 1 3 mo.	8	head	24	11 15	ers.

The 5 day, at 2 morn. Mars
 The 8 day, at 2 morn. Mercury
 The 11 day, at 6 morn. Venus
 The 15 day, at 7 morn. Saturn
 The 17 day, at 5 aftern. Jupiter

} is with
 the Moon.

M	Sun	Sun	Moon	Monthly Observations.	
D	rises	sets	South		
1	3 52	8 8	6m 3	LAST Quart. 1 day, at 9 morn.	
2	3 51	8 9	6 49	<i>Rain fallen in June, 1802, was one</i>	
G 3	50	8 10	7 37	<i>inch and near nine-tenths. This Month</i>	
4	3 49	8 11	8 29	<i>was five in general.</i>	
5	3 49	8 11	9 24	Rain, more or less, may be expected	
6	3 48	8 12	10 24	about the 2d, 8th, 18th, (and perhaps	
7	3 47	8 13	11 28	NEW Moon, 7 day, at 11 night	
8	3 47	8 13	0 a 33	Thunder) 23d, and 27th Days of this	
9	3 46	8 14	1 37	Month.	
G 3	46	8 14	2 36		
11	3 45	8 15	3 30	These are but fatal Times for some	
12	3 45	8 15	4 19	Countries; the Sword of the angry An-	
13	3 44	8 16	5 4	gel is drawn against them, and is not, I	
14	3 44	8 16	5 46	doubt, put into its Scabbard, but is fur-	
15	3 43	8 16	6 27	FIRST Quart. 15 day, at 1 morn.	
16	3 43	8 17	7 8	bished anew; anew, did I say? let us	
G 3	43	8 17	7 50	look but around, and we shall see	
18	3 43	8 17	8 34	Storms above, and stormy Actions be-	
19	3 43	8 17	9 20	low; and what will the End be? May	
20	3 43	8 17	10 8	God avert these Troubles far from the	
21	3 43	8 17	10 59	Dominions of Great Britain. The	
22	3 43	8 17	11 51	French talk of putting some great Desig-	
23	3 43	8 17	morn!	FULL Moon, 23 day, at 6 morn.	
G 3	43	8 17	0 42	into Execution, but it will not effectually	
25	3 44	8 17	1 33	succeed; and they will have enough	
26	3 44	8 16	2 22	to do to defend themselves against the	
27	3 44	8 16	3 10	English Cruisers, should the War not	
28	3 44	8 16	3 56	be at an end. We live in those Times	
29	3 45	8 15	4 41	that produce strange Attempts both at	
30	3 45	8 15	5 28	Home and Abroad.	
				LAST Quart. 30 day, at 4 aftern	

South-East from *England* th' angry Scene is laid,
 And many, in several Places, are betray'd,
 By them they feel; the Nature of the Times
 Makes Men commit some very heavy Crimes.
Joe squares bright *Sol*, and, by his ruffling Rays,
 Disturbs the Air, and gives us thund'ring Days.

W	Fasts and Festivals	☉	☽	D's	D rises and sets	Mutual Asp. and Weather
D		☉	☽	A		
1	G 5 S. aft. Trin.	9	face	25	11 a 34	Fair for
2	M <i>Visit. of V. M.</i>	10	neck	26	11 58	the most
3	Tu <i>Camb. Com. Dog</i>	11	throat	27	morn.	part.
4	W <i>Trans. M. [D.b.]</i>	12	arms	28	0 28	
5	Th 2 sets 9 43 aft.	13	should.	29	1 14	
6	F <i>Camb. T. ends</i>	14	O. Mid.	30	2 20	Now wind
7	S <i>Thos. a Becket</i>	15	stom.	N	sets	and rain
8	G 6 S. aft. Trin.	16	heart	2	9 a 4	
9	M <i>Oxford Act</i>	17	and	3	9 22	☿ ☿ ☿ ☿ ☿
10	Tu 2 rises 2 30 m.	18	back	4	9 36	may be ex-
1	W Day 16 14 long	19	bowels	5	9 49	pected.
2	Th Night 7 48 long	20	belly	6	10 3	
3	F Day dec. 24 m.	21	reins	7	10 17	
4	S <i>Oxf. T. ends</i>	22	loins	8	10 31	Fair and hot
5	G 7 S. aft. Trin.	23	secret	9	10 48	about this
6	M [<i>Swithin</i>	24	memb-	10	11 9	time.
7	Tu 2 sets 10 29 aft.	25	bers	11	11 37	
8	W 2 sets 11 11 aft.	26	hips	12	morn.	
9	Th 2 rises 0 21 mo.	27	thighs	13	0 14	☿ ☿ ☿
10	F <i>Margaret</i>	27	knees	14	1 6	Showers.
1	S 2 sets 8 17 aft.	28	and	15	1 59	about, if not
2	G 8 S. aft. Trin.	29	hams	F	rises	* ☿ ☿
3	M [<i>Magdalen</i>	30	legs	17	8 a 23	lightening
4	Tu 2 rises 3 24 mo.	1	ankles	18	8 36	and thunder
5	W <i>St. James</i>	2	feet	19	8 51	* ☿ ☿, ☿ ☿ ☿
6	Th <i>Anne</i>	3	toes	20	9 6	also.
7	F Day break 1 4	4	head	21	9 21	Windy with
8	S <i>Twil. ends</i> 10 50	5	face	22	9 38	some show-
9	G 9 S. aft. Trin.	6	neck	23	10 0	ers near the
10	M Day 15 26 long	7	and	24	10 29	end.
1	Tu Night 8 36 long	8	throat	25	11 5	* ☿ ☿

The 3 day, at 8 aftern. Mars
The 5 day, at 6 aftern. Mercury
The 9 day, at 6 aftern. Venus
The 12 day, at 6 aftern. Saturn
The 15 day, at 2 morn. Jupiter

is with
the Moon.

M D	Sun rises	Sun sets	Moon South.
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Monthly Observations.

G	3 46	8 14	6 m 16
2	3 46	8 14	7 8
3	3 47	8 13	8 4
4	3 48	8 12	9 4
5	3 48	8 12	10 8
6	3 49	8 11	11 12
7	3 50	8 10	0 a 14
G	3 50	8 10	1 11
9	3 51	8 9	2 3
10	3 52	8 8	2 51
11	3 53	8 7	3 35
12	3 54	8 6	4 17
13	3 55	8 5	4 59
14	3 56	8 4	5 41
G	3 57	8 3	6 24
16	3 58	8 2	7 9
17	4 0	8 0	7 57
18	4 1	7 59	8 47
19	4 2	7 58	9 39
20	4 3	7 57	10 31
21	4 5	7 55	11 23
G	4 6	7 54	morn.
23	4 7	7 53	0 14
24	4 9	7 51	1 3
25	4 10	7 50	1 50
26	4 11	7 49	2 36
27	4 13	7 47	3 23
28	4 14	7 46	4 11
G	4 16	7 44	5 1
30	4 17	7 43	5 55
31	4 18	7 42	6 53

Rain fallen in July, 1802, at London was two Inches and eight-tenths. This Month was cooler than the last, and more Rain than in any Month of the Year.

Rain, more or less, may be expected about the 7th, 14th, 18th, (perhaps

NEW Moon, 7 day, at 7 morn.

Thunder) 24th, and 30th Days of this month.

The *Hamburger* and *Polander*, *Russian*, and some others, are full of Business. The Stars, at this Time, seem to

FIRST Quart. 14 day, at 4 aftern.

have very material Signification to those People's Transactions, &c. and also the Affairs of the *Dutch Netherlands*, *Ireland*, and other considerable Places in the World. Some Parts of *Turkey* are uneasy; *Sicily*, and *Rome* itself, are perplexed. The *English* are now vigilant

FULL Moon, 22 day, at 5 aftern.

and active in the *West Indies*, and I hope to purpose. The *Austrian* Cedars shake some Princes begin to decline that ancient Family. House of *Austria* be proud.

LAST Quart. 29 day, at 8 aftern.

16 AUGUST XXXI Days.

Ply now your Harvest whilst the Sun shines clear,
And house your Corn; I see some Storms appear :
If when the Dog-Star barks, you hear it thunder,
Then look for Show'rs; on God's Works let us ponder.
Let the cool Draught thy thirsty Veins supply,
Whilst scorching Leo burns the azure Sky.

M	W	Fasts and	Q	D's	D's	D rises	Mutual Asp.
D	D	Festivals.	Q	Sigs	A	and sets	and Weather.
1	W	Lammas Day	9	arms	26	morn.	♂ ♀ ☿
2	Th	Day decr. 1 13	10	should.	27	0 0	Frequent
3	F	h sets 9 24 aft.	11	breast	28	1 10	* ♂ ♀
4	S	h sets 10 3 aft.	12	stom.	29	2 20	♂ ☉ ♀
5	G	16 S. after Trin	13	heart	N	sets	showers of
6	M	Transfiguration	14	back	2	7 a 44	rain now
7	To	Prs. Amel. b. Na.	15	bowels	3	7 58	about.
8	W	[of Jesus	16	belly	4	8 10	.
9	Th	♂ rises 11 44 af.	17	reins	5	8 23	Windy and
10	F	Lawrence	18	and	6	8 37	* ♀ ☿
11	S	Ds. Bruns. born	19	D. D. c.	7	8 54	more fair.
12	G	11 S. af. Tr. Pr.	19	secret	8	9 13	.
13	M	O. Lam. [W. b.	20	memb.	9	9 38	.
14	To	♀ rises 4 2 mo.	21	hips	10	10 11	Hot and dry.
15	W	Assumption	22	and	11	10 57	with thunder
16	Th	D. of York born	23	thighs	12	11 54	in some
17	F	h sets 7 51 aft.	24	knees	13	morn.	places.
18	S	Day break 2 26	25	hams	14	1 3	* ☉ ♂
19	G	12 S. after Trin.	26	legs	15	2 15	Fine weather
20	M	Tw. ends 9 28	27	ankles	16	3 38	in general,
21	To	D. of Clarence b.	28	feet	F	rises	and most.
22	W	Day 14 6 long	29	and	18	7 a 16	of the
23	Th	Night 9 58 long	29	toes	19	7 31	month
24	F	St. Bartholomew	1	head	20	7 48	* ☉ ♀
25	S	Day decr. 2 35	2	face	21	8 8	promiseth
26	G	13 S. after Trin.	3	neck	22	8 36	good har-
27	M	h sets 7 58 aft.	4	throat	23	9 11	vest
28	To	St. Augustine	5	arms	24	10 1	Δ ♀ ♂
29	W	John Bap. behead.	6	should.	25	11 13	weather,
30	Th	h sets 8 32 aft.	7	breast	26	morn.	.
31	F	♂ rises 11 18 af.	8	stom.	27	0 26	.

MOORE AUGUST, 1804. 17

The 1 day, at noon, Mars
 The 5 day, at noon, Venus
 The 6 day, at 6 morn. Mercury
 The 9 day, at 3 morn. Saturn
 The 11 day, at 3 aftern. Jupiter
 The 30 day, at 1 morn. Mars

} is with
 the Moon.

M	Sun	Sun.	Moon	Monthly Observations.	
D	Rises	sets	South.		
1	4 20	7 40	7 m 54	<i>Rain fallen in August, 1802, was only five-tenths of an inch, at London. The Month was fine and warm, and good Harvest Weather.</i>	
2	4 22	7 38	8 56		
3	4 24	7 36	9 58		
4	4 25	7 35	10 56		
G	4 27	7 33	11 51	NEW Moon, 5 day, at 4 aftern.	
6	4 28	7 32	0 a 41	Rain, more or less, may be expected about the 1st, (perhaps Thun'ler) 6th, 13th, 18th, (perhaps Thunder) and 21st, Days of this Month.	
7	4 30	7 30	1 27		
8	4 32	7 28	2 10		
9	4 34	7 26	3 53		
10	4 35	7 25	3 35	This Month is attended with some very good Configurations, rather of a	
11	4 37	7 23	4 19		
G	4 39	7 21	5 4		
13	4 41	7 19	5 50		
14	4 42	7 18	6 40	FIRST Quart. 13 day, at 10 morn benevolent Import; whence we may conclude, that there will be held great and frequent Consultations, tending to Peace and Tranquillity to the much shattered and distracted Affairs of Europe: I wish it Success. And also it seems that all they who have for many Years past bear the Instruments of In-	
15	4 44	7 16	7 31		
16	4 46	7 14	8 23		
17	4 48	7 12	9 15		
18	4 50	7 10	10 7		
G	4 51	7 9	10 58		
20	4 53	7 7	11 47		
21	4 55	7 5	morn.		
22	4 57	7 3	0 35		
23	4 59	7 1	1 22		
24	5 1	6 59	2 11	FULL Moon, 21 day, at 5 morn. justice, Cruelty, and Murder, will have all their wicked Devices and Machinations fall upon their own Heads. When is it that God executes his Judgements upon the Wicked? Why, truly, when they are high in Power, and most secure	
25	5 2	6 58	3 2		
G	5 4	6 56	3 55		
27	5 6	6 54	4 52		
28	5 8	6 52	5 52		
29	5 10	6 50	6 54		
30	5 12	6 48	7 55		
31	5 14	6 46	8 53		

LAST Quart. 28 day, at 1 morn. in their own Conceits; for he resisteth the Proud, and so forth.

18 SEPTEMBER XXX Days.

Now the *Imperial Eagle* hangs her Head,
 Drooping she mourns her wonted Thunder fled.
 Where shall she Succours seek, or whither fly?
 Shall she for ever in Confusion lie?
 Not so! her Aid the *English Hero* brings,
England, the Friend of her Allies and Kings.

M D	W D	Fasts and Festivals.	☉ R	D's Signs	D's A	D rises and sets	Mutual Asp. and Weather.
1	S	<i>Giles</i>	9	heart	28	1 m 40	♂ ♀ ☿
2	G	14 S. after Trin.	10	back	29	2 56	☐ ♂ ☿, * ♀ ☿
3	M	[Lon. b. 1666	11	bowels	30	4 24	Brisk winds
4	Tu	♀ rises 2 20 m.	12	and	N	sets	with showers
5	W	♀ sets 7 11 aft.	13	belly	2	6 a 38	of rain.
6	Th	Day break 3 21	14	reins	3	6 52	
7	F	<i>Enurcius</i>	15	loins	4	7 6	
8	S	<i>Nativ. of V. M.</i>	16	secret	5	7 25	Fair and fine
9	G	15 S. after Trin.	17	mem-	6	7 49	for the most
10	M	Tw. ends 8 30	18	bers	7	8 19	part.
11	Tu	Day 12 50 long	18	hips	8	8 58	
12	W	Night 11 14 long	19	thighs	9	9 49	
13	Th	Day decr. 3 49	20	knees	10	10 53	Rather
14	F	<i>Holy Cross</i>	21	hams	11	morn.	windy now
15	S	♂ sets 6 53 aft.	22	legs	12	0 5	about.
16	G	16 S after Trin.	23	and	13	1 23	
17	M	<i>Lambert</i>	24	andles	14	2 44	
18	Tu	♂ sets 7 34 af.	25	feet	15	4 6	Good wea-
19	W	Ember Week	26	toes	F	rises	ther for a
20	Th	♂ rises 11 2 af.	27	head	17	6 a 2	late harvest,
21	F	<i>St. Matthew</i>	28	face	18	6 24	for some
22	S	K. Geo. III. cro.	29	neck	19	6 46	days.
23	G	17 S. after Trin.	☾	throat	20	7 22	
24	M	♀ rises 1. 58 mo.	1	arms	21	8 7	
25	Tu	♀ sets 6 10 aft.	2	should.	22	9 7	Towards the
26	W	<i>Cyprian. Old</i>	3	breast	23	10 19	end there.
27	Th	[<i>Holy Rood</i>	4	stom.	24	11 37	will be wind
28	F	Day break 4 12	5	heart	25	morn.	and wet.
29	S	<i>St. Mic. Ds. W. b.</i>	6	and	26	0 59	☐ ☉ ♀, * ♀ ☿
30	G	18 S. after Trin.	7	back	27	2 18	☐ ♂ ☿
		[<i>Jerome</i>					

MOORE. SEPTEMBER, 1804. 19

The 1 day, at 9 morn. Venus
 The 5 day, at 9 aftern. Saturn
 The 6 day, at 9 morn. Mercury
 The 8 day, at 8 morn. Jupiter
 The 27 day, at noon, Mars
 The 29 day, at 9 aftern. Venus

} is with
 the Moon.

M D	Sun rises	Sun sets	Moon South
1	5 16	6 44	9 m 48
G 5	18	6 42	10 39
3	5 20	6 40	11 26
4	5 22	6 38	0 a 10
5	5 23	6 37	0 54
6	5 25	6 35	1 37
7	5 27	6 33	2 20
8	5 29	6 32	3 5
G 5	31	6 29	3 51
10	5 33	6 27	4 40
11	5 35	6 25	5 30
12	5 37	6 23	6 21
13	5 39	6 20	7 13
14	5 41	6 19	8 5
15	5 43	6 17	8 55
G 5	45	6 15	9 45
17	5 47	6 13	10 33
18	5 49	6 11	11 22
19	5 51	6 9	morn.
20	5 53	6 7	0 11
21	5 55	6 5	1 2
22	5 57	6 3	1 57
G 5	59	6 1	2 54
24	6 1	5 59	3 55
25	6 3	5 57	4 57
26	6 4	5 56	5 59
27	6 6	5 54	6 58
28	6 8	5 52	7 53
29	6 10	5 50	8 44
G 6	12	5 48	9 31

Monthly Observations.

Rain fallen in September, 1802, at London, was seven-tenths of an Inch. A dry Month.

NEW Moon, 4 day, at 4 morn.

Rain, more or less, may be expected about the 2d, 20th, 26th, and 29th Days of this Month.

It is well known that *France* laboured formerly to subdue *Holland*, which she has of late done, to the De-

FIRST Quart. 12 day, at 4 morn.

triment of the poor *Dutch*; and she also wanted to demolish the Empire of *England*, and to rear up an universal Sway over us, and other Kingdoms; but the Times are now drawing on when *England* shall take full Satisfaction for

FULL Moon, 19 day, at 4 aftern.

all the Injuries which she has received from the Schemes and Practices of her implacable Enemies. Some hopeful News or Intelligence arrives about this Time, which may greatly conduce to

LAST Quart. 26 day, at 7 morn.

the Advantage of our whole Nation, *Holland* take Heed to yourselves, lest you make a Covenant that shall be a Snare unto you.

OCTOBER XXXI Days.

This Month's Events doth *Europe's* Cause advance
 Against the barb'rous Stratagems of *France*;
 The Stars combine to be *Britannia's* Guards,
 And on her Foes will pour out just Rewards;
 May Heaven in Mercy give the happy State,
 And bless *Old England* from the Darts of Fate.

M	W	Fasts and Festivals.	☉	D's Sign	D's A	D rises and sets	Mutual Asp. and Weather.
1	M	<i>Remigius</i>	8	bowels	28	3 m 35	Brisk winds
2	Tu	Twi. ends 7 40	9	belly	29	4 50	with fre-
3	W	Day 11 24 long	10	reins	N	sets	quent show-
4	Th	Night 12 40 long	11	loins	2	5 a 21	ers.
5	F	Day decr. 5 15	12	secret	3	5 40	
6	S	<i>Faith</i>	13	mem-	4	6 1	
7	G	19 S. after Trin.	14	bers	5	6 29	☉ ☉ ☉
8	M	☿ rises 5 39 m.	15	hips	6	7 6	Foggy mists
9	Tu	<i>Denys</i>	16	thighs	7	7 53	or gentle
10	W	<i>Ox. & Cam. T. b.</i>	17	knees	8	8 50	rain.
11	Th	<i>Old Mich. Day</i>	18	and	9	9 57	
12	F	☿ sets 6 13 af.	19	hams	10	11 10	
13	S	<i>Trans. Ed. Conf.</i>	20	legs	11	morn.	☉ ☉ ☉
14	G	20 S. after Trin.	21	ankles	12	0 27	Now rough
15	M	♂ rises 10 41 af.	22	feet	13	1 47	winds with
16	Tu	♀ rises 2 20 m.	23	toes	14	3 8	some cold
17	W	<i>Etheldreda</i>	24	head	15	4 31	rain.
18	Th	<i>St. Luke</i>	25	face	16	5 59	
19	F	♀ rises 5 2 mo.	26	neck	F	rises	
20	S	Day break 4 57	27	throat	18	5 a 27	☉ ☉ ☉
21	G	21 S. after Trin.	28	arms	19	6 9	But the wea-
22	M	Twi. ends 7 0	29	should.	20	7 5	* 2 ♀
23	Tu	Day 10 6 long	☿	breast.	21	8 15	ther is now
24	W	Night 13 58 long	1	and	22	9 35	more fine
25	Th	<i>K. Geo. III. Ac.</i>	2	<i>Crispin</i>	23	10 56	and pleasant
26	F	<i>K. Geo. III. Pro.</i>	3	heart.	24	morn.	even to the
27	S	Day decr. 6 38	4	back	25	0 15	end.
28	G	22 S. af. Tr. St.	5	bowels	26	1 32	☉ ☉ ☉
29	M	[<i>Sim. & Jude</i>	6	belly	27	2 46	
30	Tu	☿ rises 4 30 m.	7	reins	28	3 58	
31	W	☿ sets 5 33 aft.	8	and	29	5 9	

MOORE. OCTOBER, 1804. 2

The 3 day, at noon, Saturn
 The 4 day, at 8 morn. Mercury
 The 6 day, at 2 morn. Jupiter
 The 25 day, at 8 aftern. Mars
 The 29 day, at 9 morn. Venus
 The 30 day, at 12 night, Saturn

} is with
 the Moor

M	Sun Days	Sun sets	Moon South.	Monthly Observations.
1	6	14	5 46	10 m 16
2	6	16	5 44	10 59
3	6	18	5 42	11 42
4	6	20	5 40	0 a 25
5	6	22	5 38	1 9
6	6	24	5 36	1 55
G 6	6	26	5 34	2 42
8	6	28	5 32	3 22
9	6	30	5 30	4 22
10	6	32	5 28	5 13
11	6	34	5 26	6 4
12	6	36	5 24	6 53
13	6	38	5 22	7 42
G 6	6	40	5 20	8 30
15	6	42	5 18	9 17
16	6	44	5 16	10 6
17	6	45	5 15	10 56
18	6	47	5 13	11 50
19	6	49	5 11	morn.
20	6	51	5 9	0 47
G 6	6	53	5 7	1 48
22	6	55	5 5	2 52
23	6	57	5 3	3 56
24	6	59	5 1	4 58
25	7	14	59	5 55
26	7	34	57	6 48
27	7	44	56	7 36
G 7	7	64	54	8 21
29	7	84	52	9 4
30	7	104	50	9 46
31	7	124	48	10 28

Rain fallen in October, 1802, at London, was one Inch and six-tenth.

NEW Moon, 3 day, at 6 aftern.

A good Seed-time.

Rain, more or less, may be expected about the 7th, 13th, 21st, and 26th Days of this Month.

FIRST Quart. 11 day, at 10 night.

Saturn's Transit through *Libra* bode no great Good to the noble House of *Austria*. There is a Prospect of some Misunderstanding amongst the *German* Princes, and a Discovery of some Things intended to be kept secret; it

FULL Moon, 19 day, at 1 morn.

France and *Italy* will be great Heats and Contentions; in *Spain* will be Tumults intestine Hatred, and Breach of Treaties, by Means of which Nothing but

LAST Quart. 25 day, at 4 aftern.

Confusion follows. The Affairs of *Europe* seem to be in a Ferment, and the Tranquillity of the North to suffer Interruption. *Prussia* seems to be threatened, and exposed to its Enemies.

The angry Stars, of late, most furiously
 Have travers'd o'er the *European* Stage;
 Great *Jove* is from the *Scorpion* not yet free;
 When once he is, Men meet a milder Age.
 Happy's the Man, content in mean Estate,
 Not forc'd to tempt, or try his powerful Fate.

M D	W D	Fasts and Festivals.	☉ m	☾ Signs	☿ A	☿ rises and sets	Mutual As and Weathe
1	Th	All Saints	9	loins	30	6 m 19	Sleet or
2	F	D. of Kent born	10	All So.	N	sets	showers at
3	S	Prs. Sophia born	11	memb.	2	4 a 33	the begin-
4	G	23 S. af. Tr. K.	12	hips	3	5 9	ning.
5	M	P. Plot [W. land	13	and	4	5 51	
6	Tu	Leonara, Mich.	14	thighs	5	6 45	Rather col
7	W	[Term b.	15	knees	6	7 49	and frosty
8	Th	Prs. Aug. So. b.	16	hams	7	9 0	☿ ☉ ♀
9	F	Ld. Mayor's D.	17	legs	8	10 13	now about,
10	S	☿ rises 10 2 af.	18	and	9	11 28	but not bac
11	G	24 S. aft. Tiki.	19	Martin	10	morn.	weather.
12	M	Camb. T. div. m.	20	feet	11	0 45	☐ ☿ ♀
13	Tu	Britius	21	toes	12	2 4	
14	W	♀ rises 3 18 m.	22	head	13	3 26	Cold winds
15	Th	Machutus	23	face	14	4 52	blow and
16	F	♀ rises 7 1 mo.	24	neck	15	6 21	☿ ♀ ♀
17	S	Hugh, Bp. Linc.	25	throat	F	rises	continue
18	G	25 S. after Trin.	26	arms	17	4 a 49	* ♀ ☿, ☿ ♀ ♀
19	M	Day break 5 41	27	should.	18	5 55	* ☿ ♀
20	Tu	Edmund	28	breast	19	7 12	some days.
21	W	Twi. ends 6 17	29	stom.	20	8 34	
22	Th	Cecilia	☿	heart	21	9 57	Rain or snow
23	F	Clement. Old	1	back	22	11 16	near this
24	S	[Mart.	2	bowels	23	morn.	time.
25	G	26 S. Tr. D. G. b.	3	belly	24	0 32	
26	M	[Catherine	4	roins	25	1 45	
27	Tu	Day 8 12 long	5	and	26	2 56	☿ ☉ ♀
28	W	Mich. Term ends	6	loins	27	4 7	Wet and
29	Th	Night 15 52 long	7	secret	28	5 17	windy at the
30	F	St. Andrew	8	memb.	29	6 27	end.

The 1 day, at 2 morn. Mercury
The 2 day, at 9 aftern. Jupiter
The 22 day, at 10 aftern. Mars
The 27 day, at noon. Saturn
The 28 day, at 9 morn. Venus
The 30 day, at 3 aftern. Jupiter

is with
the Moon.

M D	Sun rises	Sun sets	Moon South.
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Monthly Observations.

Rain fallen in November, 1802, was

NEW Moon, 2 day, at 11 morn
just one Inch at London. The Weather
often cold, but yet a fine Month for the
Season.

Rain, more or less, may be expected
about the 5th, 10th, 16th, 18th, and
24th Days of this Month.

FIRST Quart. 10 day, at 3 aftern

There is Nothing more certain than
Uncertainty in human Affairs. Many
are the grave and serious Consultations
of this Month, both at Home and
Abroad; and those, it may be hoped,

FULL Moon, 17 day, at 11 morn

effectual; and, if the Sins of the Nation
occasion not God's Anger or Vengeance
to fall upon us, we may be happy.
The Heavens smile upon deserving Men,
and Honour may be conferred upon

LAST Quart. 24 day, at 4 morn

them; and yet we are not free from
secret Repinings, tending to Division
Some eminent Person, either Lawyer or
Divine, near Preferment; and probably
much News from *France* towards the
End of the Month.

M D	Sun rises	Sun sets	Moon South.
1	7 14	4 46	11 m 11
2	7 15	4 45	11 55
3	7 17	4 43	0 a 42
G 7	19	4 41	1 31
5	7 21	4 39	2 21
6	7 22	4 38	3 11
7	7 24	4 36	4 1
8	7 26	4 34	4 50
9	7 27	4 33	5 37
10	7 29	4 31	6 23
G 7	31	4 29	7 9
12	7 32	4 28	7 55
13	7 34	4 26	8 42
14	7 36	4 24	9 33
15	7 37	4 23	10 27
16	7 39	4 21	11 27
17	7 40	4 20	morn.
G 7	42	4 18	0 30
19	7 43	4 17	1 36
20	7 44	4 16	2 41
21	7 46	4 14	3 42
22	7 47	4 13	4 38
23	7 48	4 12	5 29
24	7 50	4 10	6 15
G 7	51	4 9	6 59
26	7 52	4 8	7 41
27	7 53	4 7	8 23
28	7 54	4 6	9 5
29	7 56	4 4	9 48
30	7 57	4 3	10 34

24 DECEMBER XXXI Days.

Tho' Europe by French Tyranny's oppress,
The British Arms must give it Peace and Rest;
Once more it shall its sacred Freedom gain,
No Footsteps of the Tyrant shall remain;
Therefore let all true loyal Hearts now sing,
Long live great GEORGE, our good, our gracious King

M	W	Fasts and Festivals.	☉	D's	D's	D rises.	Mutual Acc.
D	D		☿	.Signs.	A	and sets	and Weather
1	S	Day decr. 8 28	9	hips	30	7 m 35	
2	G	Advent Sunday	10	and	N	sets	* ♀ ♀
3	M	♂ rises 2 30 m.	11	thighs	2	4 a 34	Cold winds
4	Tu	♂ rises 6 5 m.	12	knees	3	5 36	with sleet
5	W	♂ rises 8 53 af.	13	hams	4	6 42	Δ ♂ ♀
6	Th	Nicholas	14	legs	5	7 53	* ☉ ♀
7	F	♀ rises 4 12 m.	15	and	6	9 6	showers.
8	S	Concep. of V. M.	16	anles	7	10 21	
9	G	2 S. in Advent	17	feet	8	11 37	
10	M	♂ sets 4 11 af.	18	toes	9	morn.	Δ ☉ ♂
11	Tu	Day break 5 59	19	head	10	0 54	
12	W	Tw. ends 6 1	20	face	11	2 14	Fair and
13	Th	Lucy	21	neck	12	3 38	frosty.
14	F	Day 7 46 long	22	throat	13	5 7	
15	S	Night 16 14 long	23	arms	14	6 32	Now more
16	G	3 S. in Ad. C.T.c.	24	O. Sap.	F	rises	☐ ☉ ♀
17	M	Oxf. Term ends	25	breast	16	4 a 29	fine for the
18	Tu	Day decr. 8 50	26	stom.	17	5 55	☐ ♂ ♀
19	W	Ember Week	27	heart	18	7 19	season.
20	Th	♂ rises 1 22 m.	28	back	19	8 42	
21	F	St. Thom. Short-	29	bowels	20	10 2	Rough wind:
22	S	[est Day	1	and	21	11 19	☐ ♀ ♀
23	G	4 S. in Advent	2	belly	22	morn.	and perhaps
24	M	♂ rises 5 0 m.	3	reins	23	0 32	♂ ♀ ♀
25	Tu	Christmas Day	4	loins	24	1 44	some frosts
26	W	St. Stephen	5	secret	25	2 55	with snow.
27	Th	St. John, Ev.	6	mem-	26	4 5	
28	F	Innocents	7	bers	27	5 13	Cutting cold
29	S	♂ rises 7 12 af.	8	hips	28	6 17	winds at the
30	G	5 S. aft. Christ.	9	thighs	29	7 11	* ♀ ♀
31	M	Silvester	10	knees	30	7 52	end.

MOORE. DECEMBER, 1804. 25

The 2 day, at noon, Mercury
 The 20 day, at 2 aftern. Mars
 The 24 day, at 10 night, Saturn
 The 28 day, at 8 morn. Jupiter
 The 28 day, at 5 aftern. Venus

is with the
 Moon.

M D	Sun rises	Sun sets	Moon South	Monthly Observations.
1	7 58	4 2	morn.	<i>Rain fallen in Dec. 1802, was on</i>
G 7	59	4 1	0 2 11	NEW Moon, 2 day, at 6 morn.
3	8 0	4 0	1 1	<i>Inch and two-tenths at London. This</i>
4	8 0	4 0	1 51	<i>Month was cold, yet fine for the Sea</i>
5	8 1	3 59	2 40	<i>son.</i>
6	8 2	3 58	3 27	
7	8 4	3 57	4 12	<i>Depth of Rain fallen at London, in</i>
8	8 4	3 56	4 56	<i>the whole Year, was but about 14</i>
G 8	5 3	56	5 50	<i>Inches; whereas, in 1801, it wa.</i>
10	8 5	3 55	6 25	FIRST Quart. 10 day, at 6 morn.
11	8 6	3 54	7 12	<i>20.4 Inches; hence no Wonder why</i>
12	8 6	3 54	8 2	<i>the Springs were so low in 1802, for</i>
13	8 7	3 53	8 57	<i>here is no less than about six Inches and</i>
14	8 7	3 53	9 56	<i>a half of Rain deficient to what there</i>
15	8 7	3 53	11 1	<i>was in 1801. The same also happened</i>
G 8	8 3	52	morn.	FULL Moon, 16 day, at 9 night.
17	8 8	3 52	0 7	<i>with us at Rosslyn and its Neighbour-</i>
18	8 8	3 52	1 10	<i>hood, and various other Parts of the</i>
19	8 8	3 52	2 12	<i>Kingdom.</i>
20	8 8	3 52	3 6	
21	8 8	3 52	3 56	
22	8 8	3 52	4 43	
G 8	8 3	52	5 26	LAST Quart. 23 day, at 8 night.
24	8 8	3 52	6 8	<i>. Rain or Snow, more or less, may</i>
25	8 7	3 53	6 50	<i>be expected about the 5th, 18th, and</i>
26	8 7	3 53	7 33	<i>14th Days of this Month.</i>
27	8 7	3 53	8 18	
28	8 6	3 54	9 5	God Almighty protect and prosper
29	8 6	3 54	9 54	His Majesty of Great Britain, in all
G 8	5 3	55	10 44	his Affairs and Designs, now and
31	8 5	3 55	11 34	ever! Amen.

The Dominion of the Moon in Man's Bod
Passing under the Twelve Zodiacal Constellations.

♈ <i>Aries</i> Head and Face	♎ <i>Libra</i> Reins and Loins
♉ <i>Taurus</i> Neck and Throat	♏ <i>Scorpio</i> Secret Member
♊ <i>Gemini</i> Arms and Shoulders	♐ <i>Sagittarius</i> Hips & Thigh
♋ <i>Cancer</i> Breast and Stomach	♑ <i>Capricorn</i> Knees & Hair
♌ <i>Leo</i> Heart and Back	♒ <i>Aquarius</i> Legs & Ankle
♍ <i>Virgo</i> Bowels and Belly	♓ <i>Pisces</i> Feet and Toes.

The Names and Characters of the PLANET
With *Dragon's Head and Tail*.

♄ Saturn	} ☉, or the Sun	♀ Venus
♃ Jupiter		☿ Mercury
♂ Mars		♁ the Moon
♈ Dragon's Head.—♏ Dragon's Tail.		

The Characters of the ASPECTS.

♌ Conjunction	} ☿ Opposition	♊ Trine
* Sextile		♈ Quartile

Upon the TWELVE SIGNS.

- ♈ The Head and Face the RAM doth always rule:
- ♉ The Neck and Throat are govern'd by the BULL.
- ♊ O'er the Arms and Shoulders still the TWINS preside
- ♋ Breast, Stomach, Ribs; the crooked CRAB doth guide
- ♌ The noble LION rules the Back and Heart:
- ♍ The bashful VIRGIN claims the Belly Part.
- ♎ The Reins and Loins the equal BALANCE weigh:
- ♏ The SCORPION o'er the Secret Parts doth sway.
- ♐ The curious ARCHER doth the Thighs affect:
- ♑ So doth the GOAT our bended Knees protect.
- ♒ The Legs unto AQUARIUS' Lot do fall:
- ♓ The FISH our active Feet their Portion call

Common Notes for the Year 1804.

Golden Number	- - - -	19	Lent begins	- - -	Feb. 1
Epact	- - - -	18	Easter Day	- - -	April
Dominical Letter	- - - -	A G	Rogation Sunday	- - -	May
Cycle of the Sun	- - - -	21	Ascension Day	- - -	May 1
Sundays after Epiphany	- - -	3	Whit Sunday	- - -	May 2
Number of Direction	- - -	12	Sundays after Trinity	- - -	20
Septuagesima Sunday	-	Jan. 29	Advent Sunday	-	Dec. 1

A TABLE of Terms and Returns for the Year 1804

Hilary Term begins Jan. 23, ends Feb. 13.

Returns, or Effoign Days.				Ex.	Ret.	Ap.	W. D.
In eight Days from St. Hilary	-	Jan. 20	21	22	23	Monday	
In fifteen Days from St. Hilary	-	27	28	29	30	Monday.	
On the Mor. of the Purif. of the Bl. V. M.	Feb. 3	4	5	6	Monday.		
In eight Days of the Purif. of the Bl. V. M.	9	10	11	13	Monday.		

Easter Term begins April 18, ends May 14.

In fifteen Days after Easter	-	April 15	16	17	18	Wednesd
From Easter Day in three Weeks	-	22	23	24	25	Wednesd
From Easter Day in one Month	-	29	30	1	2	Wednesd
From Easter Day in five Weeks	-	May 6	7	8	9	Wednesd
On the Mor. of the Ascen. of our Lord		11	12	13	14	Monday.

Trinity Term begins June 1, ends June 20.

On the Morrow of the Holy Trinity	May 28	29	30	1	Fridav.
In eight Days of the Holy Trinity	June 3	4	5	6	Wednesd.
In fifteen Days of the Holy Trinity	10	11	12	13	Wednesd.
From the Day of Holy Trin. in 3 Weeks	17	18	19	20	Wednesd.

Michaelmas Term begins Nov. 6, ends Nov. 28.

On the Morrow of All Souls	-	Nov. 3	4	5	6	Tuesday.
On the Morrow of St. Martin	-	12	13	14	15	Thursd.
In eight Days of St. Martin	-	18	19	20	21	Wednesd.
In fifteen Days of St. Martin	-	25	26	27	28	Wednesd.

N. B. No Sittings in Westminster Hall on the Second of February, Ascension Day, and Midsummer Day.

The Exchequer opens eight Days before any Term begins, except Trinity, before which it opens but four Days:

Note, The first and last Days of every Term are the first and last Days of Appearance.

KINGS and QUEENS from the CONQUEST.

KINGS Names.	Began their Reign.	Reigned Y. M. D.	Since their Reign.	Buried at
W. Conq.	1066 Oct. 14	20 10 26	717 Sept. 9	Caen, Norm.
W. Rufus	1087 Sept. 9	12 10 24	704 Aug. 1	Winchester
Henry 1	1100 Aug. 2	35 3 29	669 Dec. 1	Reading
Stephen	1135 Dec. 1	18 10 24	650 Oct. 25	Feverham

The Saxon Line restored.

Henry	2	1154 Oct. 25	34 8 11	615 July 6	Fontevrault
Richard	1	1189 July 6	9 9 0	605 Apr. 6	Fontevrault
John		1199 Apr. 6	17 6 13	588 Oct. 19	Worcester
Henry	3	1216 Oct. 19	56 0 28	531 Nov. 16	Westminster
Edward	1	1272 Nov. 16	34 7 21	497 July 7	Westminster
Edward	2	1307 July 7	19 6 18	477 Jan. 25	Gloucester
Edward	3	1327 Jan. 25	50 4 27	427 June 21	Westminster
Richard	2	1377 June 21	22 3 8	405 Sept. 29	Westminster

The Line of Lancaster.

Henry	4	1399 Sept. 29	13 5 20	391 Mar. 20	Canterbury
Henry	5	1413 Mar. 20	9 5 11	382 Aug. 31	Westminster
Henry	6	1422 Aug. 31	38 6 4	343 Mar. 4	Windfor

The Line of York.

Edward	4	1461 Mar. 4	22 1 5	321 April 9	Windfor
Edward	5	1483 Apr. 9	0 2 13	321 June 22	Unknown
Richard	3	1483 June 22	2 2 0	319 Aug. 22	Leicester

The Families United.

Henry	7	1485 Aug. 22	23 8 0	295 Apr. 22	Westminster
Henry	8	1509 Apr. 22	37 9 6	257 Jan. 28	Windfor
Edward	6	1547 Jan. 28	6 5 8	251 July 6	Westminster
Q. Mary		1553 July 6	5 4 11	246 Nov. 17	Westminster
Q. Elizabeth		1558 Nov. 17	44 4 7	201 Mar. 24	Westminster

The Union of the Two Crowns.

James	1	1603 Mar. 24	22 0 3	179 Mar. 27	Westminster
Charles	1	1625 Mar. 27	23 10 3	155 Jan. 30	Windfor
Charles	2	1649 Jan. 30	36 0 7	119 Feb. 6	Westminster
James	2	1685 Feb. 6	4 0 7	115 Feb. 13	Paris
Will. & Mar.		1689 Feb. 13	13 0 23	102 Mar. 8	Westminster

The Union of the Two Kingdoms.

Q. Anne		1702 Mar. 8	12 4 24	90 Aug. 1	Westminster
George	1	1714 Aug. 1	12 10 10	77 June 11	Hanover
George	2	1727 June 11	33 4 14	44 Oct. 25	Westminster
George	3	1760 Oct. 25		Crowned Sept. 22, 1761.	Vicar Rex.

BIRTH-DAYS of the ROYAL FAMILY.

KING GEORGE III. June 4, 1738	Duke of Cambridge, Feb. 24, 1774
Prince of Wales, Aug. 12, 1762	Princess Mary, April 25, - 1776
Duke of York, August 16, 1763	Princess Sophia, Nov. 3, - 1777
Duke of Clarence, Aug. 21, 1765	Princess Amelia, Aug. 7, - 1783
Ds. of Wirtemberg, Sept. 29, 1766	Queen Charlotte, May 19, 1744
Duke of Kent, Nov. 2, - 1767	Duchess of Brunswick, Aug. 11, 1737
Prs. Augusta Sophia, Nov. 3, 1768	Duke of Gloucester, Nov. 25, 1743
Prs. Elizabeth, May 22, - 1770	Princess of Wales, May 17, 1768
Duke of Cumberland, June 5, 1771	Duchess of York, May 7, 1787
Duke of Suffex, Jan. 27, - 1773	Prs. Charlotte of Wales, Jan. 7, 1796

SOVEREIGNS of EUROPE, their Accession, &c.

Kingdoms, &c.	To whom subject.	When born.	Began to reign
England, &c.	George III.	June 4, 1738	Oct. 25, 1760
France	Bonaparte, Consul	Aug. 15, 1769	Dec. 15, 1799
Russia	Alexander	Dec. 23, 1777	Mar. 24, 1800
Spain	Charles IV.	Nov. 11, 1748	Dec. 17, 1788
Portugal	Peter and Mary	Dec. 7, 1734	Feb. 24, 1777
Prussia	Frederic Wm. III.	Aug. 6, 1770	Nov. 16, 1797
Denmark & Norway	Christian VII.	Jan. 29, 1749	Jan. 14, 1766
Sweden	Gustavus IV.	Nov. 1, 1778	Mar. 29, 1797
Germany	Francis II.	Feb. 12, 1767	Mar. 1, 1797
Pope in	Pius VII.	Aug. 11, 1742	Mar. 14, 1800
Sardinia	Victor Emanuel		June 4, 1800
Ottoman Empire	Selim III.	July 17, 1767	April 7, 1788

The FULL WEIGHT of the Coins, with the LEAST WEIGHT allowed to pass of the Gold Coin.

GOLD		Wt. allowed.	Full Wt.	SILVER.	
		dwt. gr.	dwt. gr.		dwt. gr.
Guinea	- -	5 8	5 9 $\frac{1}{2}$	A Crown	- - - 19 8 $\frac{1}{2}$
Half Guinea	- 2	16	16 $\frac{1}{2}$	Half Crown	- - - 9 16 $\frac{1}{2}$
Seven Shillings	1 19		19 $\frac{1}{2}$	Shilling	- - - 3 20 $\frac{1}{2}$
				Six Pence	- - - 1 22 $\frac{1}{2}$

According to the above Proportions it appears, that the Value of a *lb.* Silver is 62s. or 3l. 2s. and of a *lb.* of Gold is 44 $\frac{1}{2}$ Guineas, or 46l. 14s. 6d. Also that the oz. of Silver is 5s. 2d. and the oz. of Gold 3l. 17s. 10 $\frac{1}{2}$ d. So that the value of the standard Gold is 15 times that of the Silver, at 1-14th more.

A plain and easy TABLE, shewing the Time of HIGH WATER.

NOTE, That the Moon's Age being taken notice of in the TABLE, you have the Time of HIGH WATER at all the under named Places.

Queensborough, Portsmouth, Southampton, Kentish Knock, Leith, Beachy, Isle of Wight, Dunkirk, Canadado, Coast of Flanders, at the Spijs and Dover Pier. Gravesend, Downs, Blacknefs, Romney, Thanet, Scilly, Half-tide, North Cape before Cocquitz, and between Calais and Dover.

London, Tinmouth, Hartlepool, Amster-dam, Whitby, Dort, Galcoyn, West of Ireland, at Groin, at Rotterdam, and in Robin Hood's Bay.

Newcastle, Humber, Falmouth, Severn-mouth, at the Spurn between Scilly and Lizard, Ramsey, Dartmouth, Guernsey, Torbay, St. Maloe's.

Plymouth, Antwerp, Hull, St. David's Holms-of Bristol, Lundy, St. Pauls, Salcom without Ushant, at Waterford, Boston, and at Lynn Half-tide.

Bristol-Key, Weymouth-Key, Aldborough, Foulnefs, Lime, the Start before St. Nicholas, Sidmouth in the Channel, between Foy and Falmouth.

Yarmouth-Road, Harwich, Calais-Road, Dover, Cowes, Caen, the Frith, South-Foreland, St. Helen's, Coast of Normandy and Picardy.

Hague, Peter-Port, Dublin, between Beachy and the Isle of Wight, Yarmouth, St. Magnus's Sound, Combay, without the Casquets in the Channels.

D's A	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	
1	16	12	48	2	18	3	48	6	3	6	48	7	33	11	18	9	3
2	17	1	36	3	6	4	36	6	51	7	36	8	21	12	6	9	51
3	18	2	24	3	54	5	24	7	30	8	24	9	9	12	54	10	39
4	19	3	12	4	42	6	12	8	27	9	12	9	57	1	42	11	27
5	20	4	0	5	30	7	0	9	15	10	0	10	45	2	30	12	15
6	21	4	48	6	18	7	48	10	3	10	48	11	33	3	18	1	3
7	22	5	36	7	6	8	36	10	5	11	36	12	21	4	6	1	51
8	23	6	24	7	54	9	24	11	35	12	24	1	9	4	54	2	39
9	24	7	12	8	42	10	12	12	27	1	12	1	57	5	42	3	27
10	25	8	0	9	30	11	0	1	15	2	0	2	45	6	30	4	15
11	26	8	48	10	18	11	48	2	3	2	48	3	33	7	18	5	3
12	27	9	36	11	6	12	36	2	51	3	36	4	21	8	6	5	51
13	28	10	24	11	54	1	24	3	39	4	24	5	9	8	54	6	39
14	29	11	12	12	42	2	12	4	27	5	12	5	57	9	42	7	27
15	30	12	0	1	30	3	0	5	15	6	0	6	45	10	30	8	15

The foregoing Table explained.

NOTE, That the Moon's Age being taken Notice of by the Rule in this TABLE, you may obtain the Time of HIGH WATER at all the Places above-mentioned. Observe, When the Moon is one or sixteen Days old, it is HIGH WATER at London, Tinmouth, Hartlepool, &c. at 3 o'Clock, and 48 Minutes past. Observe the same of the rest, which is plain to the meanest Capacity: The Day of the Moon's Age you have in the sixth Column on every left Hand Page of the Calendar.

A TABLE of the Equation of Time for regulating Clocks and Watches for 1804. *Note*, fa. Clock too fast, that is, your Clock, to be set right, must be so much faster than the Sun Dial. flo. Clock too slow, that is, your Clock must be so much slower than the Sun Dial.

D.	January	February	March	April	May	June
1	3 fa. 33	13 fa. 53	12 fa. 59	3 fa. 57	3 flo. 6	2 flo. 3
3	4 30	14 8	12 13	3 21	3 20	2 1
5	5 25	14 20	11 46	2 45	3 32	1 5
7	6 19	14 29	11 18	2 10	3 42	1 3
9	7 10	14 35	10 48	1 36	3 49	1 1
11	8 0	14 38	10 16	1 3	3 54	0 5
13	8 48	14 37	9 43	0 32	3 57	0 20
15	9 32	14 34	9 9	0 1	3 58	0
17	10 15	14 27	8 34	0 af. 28	3 56	0 bef. 2
19	10 54	14 18	7 59	0 56	3 52	0 5
21	11 30	14 5	7 22	1 22	3 46	1 10
23	12 3	13 50	6 45	1 47	3 38	1 4
25	12 33	13 33	6 8	2 10	3 28	2 1
27	13 0	13 13	5 30	2 31	3 16	2 32
29	13 23	12 51	4 53	2 49	3 2	2 50
31	13 14		4 16		2 46	

D.	July	August	September	October	November	December
1	3 fa. 20	5 fa. 55	0 flo. 12	10 flo. 21	16 flo. 15	10 flo. 35
3	3 43	5 47	0 50	10 58	6 15	9 52
5	4 4	5 37	1 29	11 34	16 13	9 2
7	4 25	5 25	2 8	12 9	16 7	8 11
9	4 44	5 10	2 49	12 41	15 57	7 17
11	5 1	4 52	3 30	13 12	15 45	6 22
13	5 16	4 33	4 12	13 41	15 29	5 26
15	5 30	4 11	4 54	14 9	15 10	4 28
17	5 41	3 46	5 36	14 34	14 47	3 30
19	5 51	3 20	6 18	14 56	14 21	2 30
21	5 53	2 52	7 0	15 16	13 52	2 21
23	6 2	2 22	7 42	15 34	13 20	0 30
25	6 5	1 50	8 23	15 48	12 44	0 bef. 30
27	6 5	1 27	9 3	16 0	12 5	1 29
29	6 3	0 42	9 43	16 8	11 23	2 29
31	6 58	0 16		16 14		3 27

How to set a Clock or Watch by this Table. For Example, Jan. the 1st, I find, by looking into the Table, that a Clock to be right must be 3 Minutes 33 Seconds faster than a Sun Dial; therefore I set it so much faster accordingly. And so of the rest. Twelve o'Clock is the best Time to set a Clock or a Watch by a Dial.

Note, A Sun Dial shews Solar or Apparent Time, but a Clock, &c. should be set to Equal or Mean Time, as the Table directs, to go true.

A TABLE of the Rising, Southing, and Setting of the
Pleiades, or Seven Stars, for every 5th Day in the Year,
of excellent Use to find the Hour of the Night.

Month & Days	Rise h m	South h m	Sets h m	Month & Days	Rise h m	South h m	Sets h m
January { 1 0 a 28 6 0 6 11 11 m 44 16 11 23 21 10 52 26 10 40	8 a 44 8 22 8 0 7 37 7 18 6 56	5 m 2 4 38 4 16 3 55 3 34 3 12	July { 1 0 m 38 6 0 18 11 11 a 57 16 11 37 21 11 17 26 10 57	8 m 54 8 34 8 13 7 53 7 33 7 13	5 a 10 4 50 4 29 4 9 3 49 3 29		
February { 1 10 17 6 9 56 11 9 36 16 9 17 21 8 58 26 8 39	6 33 6 12 5 52 5 33 5 14 4 55	2 49 2 28 2 8 1 49 1 30 1 11	August { 1 10 33 6 10 14 11 9 55 16 9 36 21 9 17 26 8 59	6 49 6 30 6 11 5 52 5 33 5 15	3 5 2 46 2 27 2 8 1 49 1 31		
March { 1 8 28 6 8 10 11 7 52 16 7 33 21 7 15 26 6 57	4 44 4 26 4 8 3 49 3 31 3 13	1 0 0 42 0 24 0 5 11 a 47 11 29	September { 1 8 37 6 8 19 11 8 1 16 7 43 21 7 26 26 7 8	4 53 4 35 4 17 3 59 3 42 3 24	1 9 0 51 0 33 0 5 11 m 58 11 40		
April { 1 6 35 6 6 17 11 5 58 16 5 40 21 5 21 26 5 2	2 51 2 33 2 14 1 56 1 37 1 18	11 7 10 49 10 30 10 2 9 53 9 34	October { 1 6 50 6 6 32 11 6 13 16 5 54 21 5 36 26 5 15	3 6 2 48 2 29 2 10 1 52 1 31	11 22 11 4 10 45 10 26 10 8 9 47		
May { 1 4 43 6 4 24 11 4 5 16 3 45 21 3 26 26 3 56	0 59 0 40 0 21 0 1 11 m 42 11 22	9 15 8 56 8 37 8 17 7 58 7 38	November { 1 4 54 6 4 34 11 4 14 16 3 53 21 3 28 26 3 7	1 10 0 50 0 30 0 9 11 a 44 11 23	9 26 9 6 8 46 8 25 8 0 7 39		
June { 1 2 41 6 2 22 11 2 1 16 1 43 21 1 10 26 0 59	10 57 10 37 10 17 9 58 9 35 9 15	7 13 6 53 6 33 6 14 5 51 5 31	December { 1 2 46 6 2 24 11 2 2 16 1 40 21 1 18 26 0 56	11 2 10 40 10 18 9 56 9 34 9 12	7 18 6 56 6 34 6 12 5 50 5 29		

CHRONOLOGY

OF MANY
REMARKABLE OCCURRENCES.

*Years of Christ.**Years since.*

1066	W ILLIAM (the Norman) conquered England	718
1116	First Parliament of Lords and Commons	688
1185	Ireland conquered by the English	619
1299	Windmills invented	505
1302	The Mariner's Compass invented	502
1304	Edward I. reduced Scotland	500
1330	Gunpowder discovered by a Priest	474
1369	Wickliff first began the Reformation	435
1441	Printing invented by a German	363
1483	Martin Luther, the Reformer, born	321
1492	Columbus discovered America	312
1521	Engraving on Wood invented by Albert Durer	283
1535	Cannon first used	269
1584	Virginia discovered by Sir Walter Raleigh	220
1590	Telescopes invented by Jansen, a Dutchman	214
1603	A great Plague in London, died 56,570	201
1605	The Popish Gunpowder Plot, November 5	199
1610	Jupiter's Satellites first discovered	194
1611	New Translation of the Bible	193
1614	The New River brought to London	190
1616	Shakespeare the Poet, died	188
1625	A great Plague in London, died 34,517	179
1632	A great Fire on London Bridge, Feb. 11	172
1634	Old Parr died, aged 152, he lived in Ten Reigns	170
1641	The cruel Irish Massacre, began October 23	163
1642	Edgehill and Brentford Fight	162
1642	Sir Isaac Newton born, December 25	162
1649	King Charles I. beheaded, Jan. 30	155
1651	The bloody Fight at Worcester	153
1653	Oliver Cromwell made Protector, Dec. 12	151
1655	George Fox, the first of the Quakers	149
1658	Spring Pocket Watches, invented by Dr. Hook	146
1658	Oliver Cromwell died, Sept. 3	146
1660	King Charles II. restored, May 29	144
1661	King Charles II. crowned, April 23, at Westminster	143
1661	A great Storm in London, Feb. 18	143

662	The Royal Society instituted	—	142
665	A great Plague in London, whereof died 68,586	—	139
666	The lamentable burning of London, Sept. 2	—	138
667	Peace with Holland, France and Denmark	—	137
667	The Royal Exchange built	—	137
668	Peace proclaimed with Spain, Feb. 12	—	136
669	The Royal Exchange first opened, September 28	—	135
670	The Prince of Orange arrived at Whitehall	—	134
670	Henry Jenkins died, aged 169	—	134
672	War declared against the Dutch	—	132
672	Halfpence and Farthings first coined, Aug. 16	—	132
674	Peace with Holland proclaimed, Feb. 28	—	130
677	Prince of Orange married to the Princess Mary	—	127
678	The Popish Plot discovered	—	126
679	The Habeas-Corpus Act passed	—	125
680	A great Comet appeared in December	—	124
682	Another great Comet appeared	—	122
683	The Penny Post Office established	—	121
684	A great Frost that held 13 Weeks	—	120
685	The Duke of Monmouth beheaded, July 15	—	119
688	The seven Bishops sent to the Tower, June 8	—	116
688	The Pretender said to be born, June 10	—	116
688	Prince of Orange landed at Torbay, Nov. 4	—	116
688	King James II. abdicated, Dec. 12	—	116
689	King William and Queen Mary crowned, April 12	—	115
692	Port Royal swallowed up by an Earthquake	—	112
692	A great Earthquake in England, Sept. 8	—	112
693	Hackney Coaches first licensed	—	111
693	Bank of England established	—	111
694	Lotteries first established	—	110
702	Queen Anne declared War against France	—	102
703	A terrible high Wind, Nov. 26 and 27	—	101
704	Gibraltar taken by Sir George Rooke	—	100
706	The Battle at Ramilies on Whit Sunday	—	98
707	England and Scotland united, May 1	—	97
708	The Pretender attempted to invade Great Britain	—	96
709	The French beat in the Woods of Blanglies	—	95
710	Great Riots and Disturbances in England	—	94
713	Peace with France proclaimed, May 5	—	91
715	A total Eclipse of the Sun, April 22	—	89
715	The Rebellion in Scotland and Lancashire	—	89
716	A great Frost; a Fair on the Thames	—	88
718	The first Appearance of the Northern Lights	—	86
719	A great fiery Meteor, March 19, at 8 at Night	—	85
727	The great Sir Isaac Newton died, March 20	—	77
727	An Earthquake in several Parts of England	—	77

1739	War declared against Spain, Oct. 23	—	—	65
1739	Forts of Porto Bello destroyed by Admiral Vernon	—	—	65
1739	A hard Frost for 9 Weeks, began December 24	—	—	65
1743	The Battle of Dettingen, June 16	—	—	61
1744	Anson completed his Voyage round the World	—	—	60
1744	War declared against France, March 31	—	—	60
1745	A Rebellion in Scotland	—	—	59
1746	The Scotch Rebels defeated at Culloden, April 16	—	—	58
1748	A general Peace concluded, October 7	—	—	56
1750	Westminster Bridge finished, cost £. 389,500	—	—	54
1750	Earthquakes in London, Feb. 8, and March 8	—	—	54
1752	The Style and Calendar altered, September 2	—	—	52
1755	Lisbon destroyed by an Earthquake	—	—	49
1756	War declared against France	—	—	48
1758	A large Comet appeared, foretold by Dr. Halley	—	—	46
1760	King George II. died Oct. 25, K. Geo. III. procl. 26	—	—	44
1762	A great Snow for 18 Days together, in Feb.	—	—	42
1763	A general Peace proclaimed, March 22	—	—	41
1765	Otaheite in the South Seas discovered	—	—	39
1765	{ Longitude found by Harrison's Time Piece, } and £. 18,750 given him	—	—	39
1765	General Warrants declared illegal	—	—	39
1766	Gibraltar almost destroyed by a Storm	—	—	38
1770	Blackfriars Bridge finished, cost £. 152,840	—	—	34
1772	The Swedes forced to resign their Liberties to the King	—	—	32
1775	War declared against North America, August 23	—	—	29
1776	The Americans declare themselves Independent	—	—	28
1778	The French sign a Treaty with the Americans	—	—	26
1778	War against France commenced	—	—	26
1779	War against Spain begun	—	—	25
1780	War against Holland commenced	—	—	24
1780	Riots in London, and Gaols burned	—	—	24
1781	Georgium Sidus discovered by Herschel	—	—	23
1783	A general Peace	—	—	21
1783	Fiery Meteor passed over England, Aug 18	—	—	21
1789	A Revolution in France	—	—	15
1792	Leopold, Emperor of Germany, died	—	—	12
1792	King of Sweden shot at a Masquerade by Ankerstrom	—	—	12
1792	France declared a Republic	—	—	12
1793	King and Queen of France beheaded	—	—	11
1794	French Fleet defeated in the Channel by Earl Howe	—	—	10
1797	Spanish Fleet defeated by Earl St. Vincent	—	—	7
1797	Dutch Fleet defeated by Viscount Duncan	—	—	7
1798	French Fleet defeated near Egypt by Lord Nelson	—	—	6
1801	A general Peace	—	—	3
1801	The Planet Piazzi discovered	—	—	3
1802	The Planet Olbers discovered	—	—	3

AN ACCOUNT
OF THE
ECLIPSES of the SUN and MOON,
AND OTHER
APPEARANCES IN THE HEAVENS,
In the Year 1804.
*Calculated from New and Improved Astronomical
TABLES,*
From the latest Observations,
Founded on the Newtonian System of Gravitation.

IN the Course of this Year the Two great Lamps of Heaven will be eclipsed Four Times; namely, twice the SUN, and twice the MOON; and they happen in the following Order:

The First is a partial and visible Eclipse of the MOON, if Clouds interpose not, on *Thursday* Night, *January 26*. At the Middle Time of this Eclipse the Moon will be vertical over the Eastern Coast of the *Red Sea*, on the Borders of *Arabia*, under 19 Deg. 32 Min. of North Latitude, and 43 Deg. 26 Min. East Longitude from *London*. Hence it appears, that this Eclipse will be visible from Beginning to End, quite throughout all *Europe* and *Africa*, and Islands adjacent; and also to the greatest Part of *Asia*; but to *North* and *South America* little of it will be seen, the Moon rising only a small Matter eclipsed to the more Eastern Coasts of that great and extensive Continent.—The Moon will only rise a small Part eclipsed to some of the *Caribbee Islands*; for, as far West as the Island of *Jamaica*, no Eclipse will be seen, as it will be quite over before the Moon rises there.

In

In these Kingdoms of *Great Britain*, the Time and Manner of its Appearance may be expected to correspond with the following Constructions and Calculations for *London*, *York*, and *Edinburgh*.

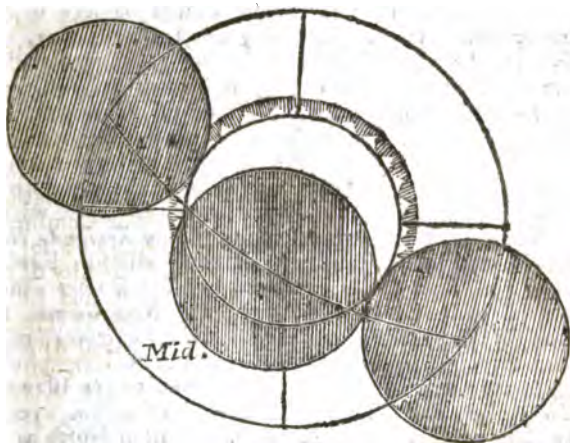


<i>January 26,</i> at Night.	<i>London.</i>	<i>York.</i>	<i>Edinburgh.</i>	App. Time.
	h. m. f.	h. m. f.	h. m. f.	
Beginning -	7 57 30	7 52 59	7 44 41	
Opposition -	8 58 30	8 53 59	8 45 41	
Middle -	9 7 0	9 2 29	8 54 11	
End - - -	10 16 30	10 11 59	10 3 41	
	h. m. f.			
	Total Duration 2 19 0			
	Digits eclipsed 4° 44' 0"			

The Second Eclipse is of the *SUN*, and is rather a notable one; it happens on *Saturday*, the 11th of *February*, in the Morning, visible in these Parts of the Globe, should the Air prove favourable. It is the greatest Eclipse of the *Sun* we shall have in *England* for Sixteen Years to come; and

and it will be Nine Years before there will be another that is near so big; and Twelve Years before there will be one that will be as large. This Eclipse will not be quite so big as that was in 1793, which was the greatest we have had of the *Sun* since that remarkable one of the 1st of April, 1764. The Eclipse of the *Sun* in 1820, (Sixteen Years hence,) I think will be full as great as that was in 1764, which was nearly central in the Southern Parts of this Kingdom. But to return: In this present Eclipse the *Sun* will be about Three Quarters eclipsed in the Southern Parts of *England*; but, in the Northern Parts of our Island, it will be somewhat less, as appears by the Calculations below. In the Southern Parts of the *European* Continent, and in *Africa*, this will be a very great Eclipse; for, in the Kingdom of *Algiers*, on the Northern Extremity of the Continent of *Africa*, in Lat. 36 Deg. North, and Long. from *London* 6 Deg. East, the *Sun* will be centrally eclipsed at Noon-day; but all along the Track of central Appearance, it is somewhat doubtful whether the Eclipse will be total or not; by my Numbers there will be a small *Annulus*, or Ring of Solar Light, encompassing the *Moon* on every Side; the *Sun's* Diameter exceeding that of the *Moon* about 22 Seconds. Hence it appears that this will be a great Eclipse in the South of *France*, in *Spain*, in *Portugal*, and at *Gibraltar*, in particular in *Italy*, and in the *Mediterranean Sea*. At *London*, the *Moon* will make the first Impression on the *Sun's* Disk, and the Eclipse will be observed to begin on the Right Hand (as the Type sheweth) about 58 Deg. from the *Sun's* lowermost Point, at 27 Minutes past 10 in the Morning; the Time of greatest Obscuration will be at 39 Minutes past 11 o'Clock; when the Digit eclipsed will be about $8^{\circ} 36'$. The *Moon* will quit the *Sun's* Limb on the Left Hand, towards his upper Limb, (as in the Type,) and the Eclipse ends at 55 Min. past 12 at Noon, according to apparent Time. The Duration will be 2 Hours and 28 Minutes.

The Type for LONDON.



The above Delineation is the Appearante expected at *London* and Parts adjacent; and, as to the Points of Contact in respect of the vertical Circle and Horizon, it will tolerably well serve the whole Kingdom at large, the Quantity of Light excepted. The following are the Times of this Eclipse (by the Principles of Projection) for *York* and *Edinburgh*, as it was communicated to me :

<i>February</i> '11,	<i>York.</i>	<i>Edinburgh.</i>	App. Time.
1804.	h. m.	h. m.	
Beginning -	10 19	10 11	
Middle - -	11 36	11 25	
End - - -	12 51	12 39	
Digits eclipsed	8° 16'	7° 52'	

The Third is another partial Eclipse of the *Moon*, upon *Sunday*, the 22d of *July*, but invisible to us; for, with respect to *London*, our Metropolis, the Eclipse begins at 52 Min. past 3 in the Afternoon; the Middle happens at 31 Min.

Min. past 5, when the Digits eclipsed will be near 11 on the *Moon's* upper Limb; and the Eclipse will be quite over at 10 Min. past 7; but the *Sun* sets not that Night at *London* till 54 Min. past 7; and, seeing the *Moon* cannot rise before the *Sun* sets, this Eclipse cannot be seen in our Hemisphere. At the Time of greatest Obscuration, the *Moon* will be vertical to such Persons as happen at that Time to be sailing in the great Eastern or *Indian Ocean*, that rolls between the Eastern Coasts of *Africa* and the Western Coasts of *New Holland*, in Lat. 20 Deg. 41 Min. South, and 97 Deg. 24 Min. East Long. from *London*; consequently this Eclipse will be visible to all the unknown southern Parts of the World, quite round the Pole, within the Compass of 20 Degrees; also to *New Zealand*, *New Holland*, and its Eastern Coast, of 2000 Miles in Extent, called *New South Wales*, explored by that famous Navigator Captain COOKE, in 1770; also *New Guinea*, the Islands of *Malacca*, *Borneo*, *Sunda*, and the *Philippine Islands*; quite throughout the *East Indies*, and those Isles pertaining to the Indian and Eastern Seas, even to the Island of *Madagascar*, and all the Eastern Parts of *Africa*, over to the Cape of Good Hope. It will extend itself North as far as the *Red Sea*, to *Arabia*, *Persia*, and the *Caspian Sea*; but, in *Italy*, and the Eastern Parts of *Poland*, the *Moon* will only rise eclipsed. The Beginning will extend and be seen eastward as far as the *Friendly Islands*, in the Great South Sea.

The Fourth and last of these Eclipses is of the *Sun*, on *Sunday*, the 5th of *August*, at about our 4 o'Clock in the Afternoon; but at this Time the *Moon* has great South Latitude, so that the Eclipse cannot be seen in any Part of these Kingdoms; but, in the Southern Parts of the World, where the *Moon's* Parallax diminisheth her Latitude, it will be visible. In *South America* it will be a very great Eclipse; for, in Latitude 38 Degrees South, and 66 Degrees of West Longitude from *London*, the *Sun* will be centrally eclipsed at Noon-day; whether quite total or not, is a Matter of Doubt; but, if it should be total, its Continuance will be only a very few Seconds, as the Diameters of the *Sun* and *Moon* are at this Time, by my Calculations, nearly equal.

Ober

Other Appearances in the Heavens this Year, 1804.

THAT beautiful and refulgent Star, the Planet VENUS, enters with the new Year as an Evening Star; but, in the Month of *January*, will not shine late at Night, being then in Southern Signs; but, after that, she will soon assume another Appearance, by winging her Way into the Northern Signs, and thereby leaving the *Sun* at a Distance to the West, and so shining after him later and later every Night, until, in the Months of *April* and *May*, this beautiful Star sets no less than four Hours after the *Sun*, and shining every Evening with great Lustre; so that, in these Months, it will be no great Difficulty to see her in the Day-time; but, before the End of *June*, she will begin to decline, and that more and more, so that, by the Beginning of *August*, the Planet *Venus* will be hid in the solar Blaze; and, soon after that, becomes a Morning Star.

On *Thursday*, the 12th of *April*, at 8 at Night, the *Moon* will be amongst the *Pleiades*, or Seven Stars, and eclipse several of them. The Immersion of the Star *Eta* will be at 50 Min. past 7 in the Evening; the Emerfion, or the Star's coming from behind the *Moon* again, will be at 12 Min. past 8 o'Clock, app. Time.

On *Tuesday*, the 17th of *July*, the *Moon* eclipses a small Star in *♌*, Immersion 25 Min. past 9 at Night; Emerfion 4 Min. past 10 o'Clock, app. Time.

On *Sunday*, the 21st of *October*, the *Moon* will again eclipse some of the *Pleiades*, or Seven Stars, when the Immersion of the Star *Eta* will be at 9 Min. past 4 in the Morning; and Emerfion at 15 Min. past 5 o'Clock, app. Time. The same happens again, *December* the 15th, at 39 Min. past 2 in the Morning, when the Star *Eta*, in *Taurus*, will immerge behind the *Moon*; and the Emerfion will be at 31 Min. past 3 o'Clock, app. Time. Some Sort of Telescope must be used to observe these Occultations to Advantage.—*Nota.* The End of the Transit of *Mercury* over the *Sun*, *Nov.* 9, 1802, was observed, at ROYSTON, to be at 11 h. 59 m. 30 sec. in the Morning, app. Time, which did not differ from the Calculation of it more than one Minute. The Type of it last Year was exactly right also. An excellent Achromatic Telescope, with a Power of 80, was
 used

used, yet *Mercury* appeared very small: His apparent Diameter was observed to be about 8".

METEOROLOGICAL OBSERVATIONS, &c.

Relating to the Weather in 1802.

THE most distinguishing Feature of the Year 1802 was its Dryness; for, I do not find above 15 Inches of Rain to have fallen scarcely anywhere; and One-third of it fell in *June* and *July*. Hence, no wonder the Waters every where were so low, and Springs and Ponds dried up; for there were at least 6 Inches of Rain deficient to what there were the Year before; and that was not a wet Year, nor yet the Year before that. The coldest Day was the 13th of *January*; and the hottest of the whole Year was the 4th, 5th, and 18th of *August*.

In *Jan.* there was but little Rain.—*Feb.* was mild,—and *March* was not unpleasant; dry, and a good Seed-Time.—*April* was fine, with Rain at Times.—*May* was mostly cold, and, what is remarkable, some sharp Frosts in the Middle of the Month, with some Snow Storms.*—*June* was fine in general,—but *July* was cooler, with much Rain.—Showers continued to the Beginning of *August*.—The Farmers began to be fearful of a wet Harvest; but those who had good *Weather-Glasses*, and understood them, were soon put out of their Fears; for the *Barometer* began to rise, and kept on, so as soon to be very high, yet Showers kept falling; the *Mercury* kept up and advancing in the Tube, notwithstanding the Wind shifted from N. E. to full West; this shewed that the wet Weather of *July* was breaking up, according to my Rules and Maxims; (see my last, p. 40.) which was the Case, and indicated a

* The Snow was 4 Inches deep on the 16th of *May*, about *Hough*, near *Grantam*, in *Lincolnshire*.

Continuance of fair Weather to follow, which accordingly did, and was a fine Harvest. Here, then, was a good Foundation for a Farmer's Hopes and Expectations—but, without such an Instrument, who could tell? Let no *Grazier* or *Farmer* be without a good *Weather-Glass*.—But to return: *Sept.* was fine.—*Oct.* often Rain, but a fine Month in general for the Wheat Seed-time.—*Nov.* pretty dry and fine.—*Dec.* was mild for the Season.—Take Care of counterfeit Almanacks, and other Pamphlets, under the Name of *Moore*, for they are Impositions upon the Public; I write Nothing of any Kind but what is written here.

Judicium Astrologicum pro Anno 1804.

Or, An Astrological Judgment for the whole Year, from the Influx and Influences of the Planets (as second Causes under God) with respect to Mundane Affairs.

COURTEOUS READER,

WE yet live in such Times as excite Wonder, Dread, and Astonishment, even to all Mankind, but more especially to thinking Minds, what the End of these Things will be! The Commotions and Alterations that have already taken Place on the Continent of *Europe*, are great and wonderful in their Kind; and indeed, my Friends, these political Commotions are not yet come to their End; but Changes and Alterations are yet in the Womb of Providence concomitant thereupon. It is true, a Peace, or rather an armed Truce, took Place for a Time, between this Country and that of *France*, and even at a Time when I was predicting more Wars; for, by the planetary Configurations and the Cabalistical Art, I did foresee that no solid Peace could be at Hand, or a Peace

of any long Duration, as may be seen by my **HIEROGLYPHIC** for the Year 1802, and my other Remarks and Judgment from the planetary Influences of that Year; and, though a Truce, or Cessation of Hostilities, for a Time, did suddenly take Place between *France* and *Great Britain*, yet the War was not ended then in *Egypt* and in the *West Indies*.—The *St. Domingo* Business has been a bloody Affair, and that Island not yet subdued by *France*!—I said, in my Almanack for 1802, “Our Work is not yet finished; it is true, in some Countries it was begun, and some Foundation laid for acting of greater Matters, when Time and Opportunity offer themselves.”—See p. 46.—

READER, does not all this now appear to be but too true? The Peace of *Amiens* seems to have been ill-timed, and to resemble a covered Snare; and, I doubt, was not made in the true Spirit of Peace; for a Spirit of Animosity still remained. In the late grand Conjunction of *Jupiter* and *Saturn*, made near *Cor Leonis*, or the Lion’s Heart, (as was seen by many at that Time,) whose Influences I knew would not let Mankind rest in Peace and Tranquillity for any Length of Time, &c. See what I have said of it in my Two last preceding Almanacks. The baneful Effects of this Conjunction has also been wonderfully felt of late, in causing contagious and pestilential Distempers, as I predicted it would; witness only the late epidemic Catarrhal Fever, or *Influenza*, which has raged more or less all over *England*, and Places abroad, and, perhaps, it is not yet quite ceased. And now, after all, let me mention a great Discovery that has lately been made for the Benefit and Good of Mankind in general, I mean the *Vaccine Inoculation*, or Cow-Pock, which is uniformly mild, inoffensive, free from Pain or Danger, either in Old or Young, and an *infallible* Preventive of the Small Pox; it is never fatal, nor yet contagious. The Small Pox has, for twelve Centuries, been known to continue its Ravages, destroying, in every Year, an immense Proportion of the whole Population of the World; therefore, I join in the noble Views of the Royal **JENNERIAN** Society for exterminating the Small Pox out of the Kingdom.—But to return: In my last, I represented the political State of *England* by a Prison, at the Gates of which lie dead Dogs, &c. with their

their Heads separated ; this represented the Gaol for the County of Surrey, in the Borough of Southwark ; and the Dogs, &c. with their Heads separated, signified those unfortunate Men who had their Heads separated from their Bodies for High Treason, at the Top of the said Gaol. The Frenchman with his Flag standing by, shewed some Connection these Men had with that Country ; and, for the Rest, I leave to my Readers to conjecture.

Awake, Britannia ! be thyself again,
Ambition calls thee to the Field ;
Step forth with Courage and heroic Vein,
For Heav'n, we hope, will be thy Shield.
Britons, be bold ! espouse your Country's Cause !
Great George shall lead the cheerful Van ;
Relinquish Fear, protect your native Laws ;
Conquer, or perish to a Man !

THE HIEROGLYPHIC.



Of the Winter Quarter.

THIS Quarter begins on *Thursday*, the 22d Day of *December*, 1803, at 36 Min. past 5 in the Evening, when 22 Degrees of ϖ ascend, and 23 Deg. of $\mathfrak{M}$ are on the Cusp of the 10th House. The Planets are all under the Earth; except the *Moon*, who is in the Exaltation of the *Sun*, the Ascendant of *England*, and Dignities of *Mars*, angular and located in the Med. Coeli, in 8 to the Planet *Saturn*, located in the 4th, or lower Angle of the Figure, and next applying to the $\square$ of φ on the Cusp of the 7th, in the Dignities of $\mathfrak{h}$. The Positions at this Ingress portend many eminent and private Councils and Consultations held on Affairs of very great Importance to this Nation. It is a Maxim, founded on Astrological Observations, that the malevolent Aspects of the superior Planets are ever attended with Discontents, Hurries, violent Actions and Proceedings, great Controversy and sharp Disputes; for we are yet under the Influences of the late Conjunction of *Jupiter* and *Saturn* in $\mathfrak{m}$, and made in Ω , near the Lion's Heart, a fixed Star of the Nature of *Mars*. This baneful Conjunction was in the Ascendant of *France*, and in Zodiacal Square of the Ascendant of *London*; this, indeed, stewed Differences and Disputes between the Two Governments, namely, that of *London* and that of *Paris*; so that the Peace made in 1802, when this Conjunction happened; was ill-timed, and could not be expected to last. No, not even to the Fulfilment of all its Articles. The *Moon* in this Figure, represents the People of *England*; and, by being in her Ascendant strong and angular, and above the Earth, it denotes that *Great Britain*, with a true heroic Spirit, will still strenuously oppose the Encroachments and domineering Spirit of the Government of *France*; and, there is Reason to hope, to a good Effect also. The Planet *Saturn* is under the Earth, in 8 to the *Moon*, and denotes as if some dark Schemes were still contriving, some Way or other, in order to annoy us; but God, I hope, will bless the Arms of this Country.

and

and preserve His Most Sacred Majesty, and direct and prosper the Endeavours of the great Council of the Nation, and chief Men in Authority, in suppressing of Vice and the wicked Designs of our Enemies, both Foreign and Domestic:—I now come to the **SPRING QUARTER.**

Schema Cœli Ingressu Solis in Ariete.



THIS Quarter begins on *Tuesday*, the 20th Day of *March*, at 3 Min. past 7 at Night, when the Positions of the Celestial Choir is represented in the above Scheme of the Heavens. The *Moon* again (representing the People of *England*) is strong in the Med. Cœli, in her own domal Dignities; and now hastening to a * of ♄ and Δ of the *Sun*; this is a good Position for *Great Britain*, therefore let us not despair, notwithstanding the following rugged Positions, namely, the ♄ of ♄ and ♄ the 19th of *April*, and the ♄ of ♃ and ♄ the 27th of *May*. Indeed, my Friends, these are angry Positions, and will have suitable Effects on some Countries; in my Opinion, they signify some

Some great Changes, &c. I will not particularize; but I am sure some great Changes and Alterations in the *European* World are drawing near, as well as in some of their Foreign Connections, &c. Here is a Mixture of Influences, some portending Concord, others Discord, Sickness, War, and Adversity. However, let us hope for the best, for there are some pacific Configurations that will be in Force this Year, which will, I hope, in some Degree, soften and alleviate the evil Genii of the Times, and put an End to those Calamities that have so long troubled the World. But, should the War be unhappily protracted till this Time, the Conflict is likely to be dreadful; for methinks I behold many Contentions and Tribulations; but I have Reason to hope ENGLAND will in a great Measure triumph.

The SUMMER QUARTER begins on *Thursday*, the 21st Day of *June*, at 50 Min. past 4 in the Afternoon, at which Time the 11th Deg. of π culminates, and the 21st Deg. of η ascends. The Positions and Configurations of the Planets, at the Time of this Ingress, will be followed with remarkable Proceedings. We may expect to hear of much Discontent, Depressions in public Affairs, Murmurings, and Insurrections amongst the common People; Robberies, Thefts, Plundering, and Rapes. Discord seems to be let loose upon Mankind, and to have filled the World with Terrors and Distractions; some prepare to destroy their Neighbours, and others to balance swelling and prevailing Powers; and, in Truth, here appears a Multiplicity of Actions in most Parts of the World.

The AUTUMNAL QUARTER commences on *Sunday*, the 23d of *Sept.* at 47 Min. past 6 in the Morning, when 11 Degrees of φ culminate, and 8 Degrees of α ascend; here is an Appearance of many Matters in Hand, and the Public are now high in their Expectations of what will be the Consequence of sundry important Things, now and during this Quarter, which will be in Agitation. As I am stinted for Room, I must refer my Readers to our Monthly Remarks.

FINIS.

Merlinus Liberatus.
AN
ALMANACK

For the Year of our Redemption,
1804.

Being *Bissexile*, or *Leap-Year*;
And from the Creation of the World, according
to the best History, 5751,
And the 115th of our Deliverance by *K. William*
From Popery and Arbitrary Government;
But the 109th from the
Horrid, Popish, Jacobite Plot.

Wherein are contained all Things fitting and useful for such a Work; as
an Ephemeris of the daily Motions of the Planets, with their various
Configurations, Aspects, Conjunctions; Lunations, Eclipses, Astrono-
mical, Astrological, Meteorological Observations, the rising and setting
of the Sun, Moon, Planets, and fixed Stars, illustrated with Tables of
the Tides, Terms, and daily Equation of Clocks; Length and Break,
Increase and Decrease of Days, Semidiurnal and Seminocturnal Arches
for several Latitudes; a Chronology; Remarks on the Divisions of the
Heavens, with Judgments of the Eclipses and Seasons, handled ac-
cording to the Rules of the Ptolomean Astrology, with many other
Things relating to the Truth of Astrology.

Calculated for the Meridian of LONDON.

By JOHN PARSONS,  *Printer.*

— *Etiam Mortuus* —

LONDON 232 O4

Printed for the COMPANY of STATIONERS.

By WILLIAM THORNE, Red Lion Court, Fleet Street.
And Sold by GEORGE GREENHILL, at their Hall, Ludgate Street.

[Price stitched Seventeen Pence.]

A Table of the Common Notes, and Moveable Feasts,

Golden Number - - - 19	Easter Sunday - April 1
Epaſt - - - - - 18	Rogation Sunday May 6
Dominical Letter - A G	Aſcenſion Day - May 10
Cycle of the Sun - - - 21	Whit Sunday - May 20
Roman Indiction - - - 7	Trinity Sunday - May 27
Number of Direction - 12	Sundays after Trinity - 26
Sundays after Epiphany 3	Advent Sunday - Dec. 2
Septuageſima Sund. Jan. 29	Year of the Julian Per 6517
Aſh Wednesday, -, Feb. 15	Year of the Dionyſian - 127

A Table of the 12 Signs, Planets, and Aspects.

♈ Aries, <i>Head and Face.</i>	☉ Sol, or the Sun.
♉ Taurus, <i>Neck and Throat.</i>	☿ Mercury.
♊ Gemini, <i>Arms and Shoulders.</i>	♀ Venus.
♋ Cancer, <i>Breaſt and Stomach.</i>	♁ Tellus, or Earth.
♌ Leo, <i>Heart and Back.</i>	♁ Luna, the Moon.
♍ Virgo, <i>Bowels and Belly.</i>	♂ Mars.
♎ Libra, <i>Reins and Loins.</i>	♃ Jupiter.
♏ Scorpio, <i>Secret Members.</i>	♄ Saturn.
♐ Sagittarius, <i>Hips and Thighs.</i>	♄ Georgium Sidus
♑ Capricorn, <i>Knees and Hams.</i>	♁ Dragon's Head.
♒ Aquarius, <i>Legs and Ancles.</i>	♁ Dragon's Tail.
♓ Piſces, <i>Feet and Toes.</i>	♁ Part of Fortune.

♄ Conjunction, *In one Sign and Degree.*

* Sextile, *is 2 Signs, or 60 Degrees.*

□ Square or Quartile, *is 3 Signs, or 90 Degrees.*

△ Trine, *is 4 Signs, or 120 Degrees.*

♁ Opposition, *is 6 Signs, or 180 Degrees.*

♈ ♌ ♀ Hot and dry. Fiery	♈ ♎ ♀ Cold & dry. Earthy
♊ ♎ ♀ Hot and moiſt, Airy	♈ ♎ ♀ Cold & moiſt, Watery
♈ ♌ ♀ ♀ Diur. Maſcul.	♈ ♎ ♀ ♀ Noct. Femin.
♈ ♌ ♀ ♀ Cardinal & Movea.	♈ ♎ ♀ ♀ Fixed Signs
♊ ♎ ♀ ♀ Common Signs	♈ ♎ ♀ ♀ Fruitful Signs
♊ ♎ ♀ ♀ are Barren	♈ ♎ ♀ ♀ Bicorporeal

<i>Kings Names.</i>	<i>Reigns began.</i>	<i>The direct Lineal Descent of His Majesty K. George III.</i>
William Conq	Oct. 14, 1066	Henry II. K. of England had
William Rufus	Sept. 9, 1087	Maud mar. Hen. the Lion, D.
Henry 1. -	Aug. 2, 1100	of Bavaria and Saxony, had
Stephen - -	Dec. 1, 1135	Wil. of Lun. mar. Helena, D.
Henry 2. Rosam.	Oct. 25, 1154	of Worldeimer, K. of Den. had
Richard 1. -	July 6, 1189	Otho D. of Brunf. and Lunen
John - - -	April 6, 1199	_____ had _____
Henry 3. -	Oct. 19, 1219	Albert the Great D. of Brunf.
Edward 1. -	Nov. 16, 1272	_____ had _____
Edward 2. -	July 7, 1307	Albert the Fat D. of Brunf.
Edward 3. -	Jan. 25, 1327	_____ had _____
Ric. 2. W. Tyler	June 21, 1377	Magnus D. of Brunswick
Henry 4. - -	Sept. 29, 1399	_____ had _____
Henry 5. -	Mar. 20, 1413	Mag. Torquat. D. of Brun. & Lun.
Henry 6. - -	Aug. 31, 1422	_____ had _____
Ed. 4. J. Shore	Mar. 4, 1461	Bernard D. of Brun. & Lun.
Edward 5. -	April 9, 1483	_____ had _____
Richard 3. -	June 22, 1483	Frederick Duke of Lunenb.
Henry 7. - -	Aug. 22, 1485	_____ had _____
Henry 8. -	Apr. 22, 1509	Otho the Great D. of Lunenb.
Edward 6. -	Jan. 28, 1547	_____ had _____
Mary 1. - -	July 6, 1553	Henry Duke of Lunen. had
Elizabeth -	Nov. 17, 1558	Ernest Duke of Lunenb. had
James 1. - -	Mar. 24, 1603	Wil. D. of Lunen. Zel. had
Charles 1. -	Mar. 27, 1625	Elizabeth, mar. Fred. K. of
Charles 2. -	Jan. 30, 1649	Bohemia; had Geo. P. of Cal-
James 2. - -	Feb. 6, 1685	lenbar and D. of Hanover,
Will. 3. & M. 2.	Feb. 13, 1689	had Sophia, mar. Ernest Au-
Anne - - -	Mar. 8, 1702	gustus Bishop of Osnaburgh,
George 1. -	Aug. 1, 1714	and Elector of Brunswick
George 2. -	June 11, 1727	Lunenburgh, had George, by
George 3. -	Oct. 25, 1760	the Grace of God, King of
		Great-Britain, &c. who had
		George II. who had Fred. Pr.
		of Wales, who had George III
		his present Majesty, whom
		God preserve.

PARTRIDGE. 1804.

Table of the Moon's Age for every Day throughout this Year, whereby, with the Help of the next General Tide Table, the Times of High Water at all the Places mentioned above it are shewn by Inspection.

An Explanation of this and the following Table:

First find the Month on the Head of the Table, and the Day in the first Column on the left Hand, and in the Angle of meeting you have the Day of the Moon's Age, with which enter the following Table, and find your said Number in the left Hand Column, and over against it in the other Column is the Time of High Water at all the Places above mentioned, by Inspection.—*Example, Jan. 1, I find the Moon to be 19 Days old, and over against 19 in the 1st Column I find 6 h. 12 m. in the 2d Column, 4 h. 42 m. in the 3d; which are the Times of High Water at all those Places mentioned above in the 2d and 3d Columns on that Day. Et sic de cæteris.*

Month	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
December.	30	N	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
November.	30	N	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
October.	31	N	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
September.	30	N	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
August.	31	N	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
July.	31	N	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
June.	30	N	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
May.	31	N	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
April.	30	N	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
March.	31	N	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
February.	28	N	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
January.	31	N	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

TIDE - TABLE.

A general Tide-Table, shewing the Time of High Water
at all the Places herein mentioned, viz.

Enter this Col. with the Moon's Age, and over against it you have the Time of High Water at the Places following.		<i>London. Tim. Hartl. Amster. Dort, Whithy, Galacia, Gasc West of Irel. Brittain at Groin, Rotterdam, and Robin H. Bay.</i>		<i>Downs, Graves. Ramt. Guern. Rumn. Thanet, Scilly half Tide, Senny H. Zenn at Blacken N. Cape, bet. Cal. and Dev.</i>		<i>Plym. Ramf. Sev. Humb. Foy, Torb. Newc. Falm. Dartm. Lizard, St. Maloes, at the Spurn, betw. Scilly and the Lix.</i>		<i>Hull, Lynn, Weym. Fosc. Antw. St. Dav. Holmes of Bristol, Lund. St. Paul, Salcom, without Ubbani, Waterf. half Tide</i>		<i>Boston, Bristol, Foulis. Startp. Lension. Albor. Weym. Key Lime, before St. Nicholas, Sidmouth in the Channel, Foy.</i>		<i>Dover, Harw. Bologne, Yarm Road, Calais Road, St. John de Luca, S. Forl, St. Helens, Coast of Norm. and Picardy.</i>		<i>Portf. Quimb. Southa. Leith. Isle of Wight, Dunk. Kentish Knock, Beachy, Canada, C. of Fland. Spiers, Dover Pier.</i>		<i>Portl. Peter-port, Hague, Dubl. Harf. Lambay, Magnus, Sound, Comb without the Caskets, Macneys, Milford, Texel.</i>	
M's A		h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m
1	16	3	48	2	18	6	3	6	48	7	33	11	18	12	48	9	3
2	17	4	36	3	6	6	51	7	36	8	21	12	6	1	36	9	51
3	18	5	24	3	54	7	39	8	24	9	9	12	54	2	24	10	39
4	19	6	12	4	42	8	27	9	12	9	57	1	42	3	12	11	27
5	20	7	0	5	30	9	15	10	0	10	45	2	30	4	0	12	15
6	21	7	48	6	18	10	3	10	48	11	33	3	18	4	48	1	3
7	22	8	36	7	6	10	51	11	36	12	21	4	6	5	36	1	51
8	23	9	24	7	54	11	39	12	24	1	9	4	54	6	24	2	39
9	24	10	12	8	42	12	27	1	12	1	57	5	42	7	12	3	27
10	25	11	0	9	30	1	15	2	0	2	45	6	30	8	0	4	15
11	26	11	48	10	18	2	3	2	48	3	33	7	18	8	48	5	3
12	27	12	36	11	6	2	51	3	36	4	21	8	6	9	36	5	51
13	28	1	24	11	54	3	39	4	24	5	9	8	54	10	24	6	39
14	29	2	12	12	42	4	27	5	12	5	57	9	42	11	12	7	27
15	30	3	0	1	30	5	15	6	0	6	45	10	30	12	0	8	15

ROYAL FAMILY, &c.

BIRTH-DAYS of the ROYAL FAMILY.

KING GEORGE III. June 4, 1738	Duke of Suifex, Jan. 27, 1773
Prince of Wales, Aug. 12, 1762	Duke of Cambridge, Feb. 24, 1774
Duke of York, Aug. 16, 1763	Princess Mary, April 25, 1776
Duke of Clarence, Aug. 21, 1765	Princess Sophia, Nov. 3, 1777
Ds. of Wirtemberg Sept. 29, 1766	Princess Amelia, Aug. 7, 1783
Duke of Kent, Nov. 2, 1767	Queen Charlotte, May 19, 1744
Pra. Augusta Sophia, Nov. 8, 1768	Princess of Wales, May 17, 1768
Pra. Elizabeth, May 22, 1770	Dfs. of Brunswick, Aug. 11, 1737
Duke of Cumberland, June 5, 1771	Duke of Gloucester, Nov. 25, 1743

SOVEREIGNS of EUROPE, their Accession, &c.

Kingdoms, &c.	To whom subject.	When born.	Began to reign.
England, &c.	George III.	June 4, 1738	Oct. 25, 1760
Russia	Alexander	Dec. 28, 1777	Mar. 24, 1801
Spain	Charles IV.	Nov. 11, 1748	Dec. 17, 1788
Portugal	Maria	Dec. 17, 1734	Feb. 24, 1777
Prussia	Fred.-Wm. III.	Aug. 6, 1770	Nov. 16, 1797
Denmark & Norway	Christian VII.	Jan. 29, 1749	Jan. 14, 1766
Sweden	Gustavus IV.	Nov. 1, 1778	Mar. 29, 1792
Germany	Francis II.	Feb. 12, 1767	Mar. 1, 1792
Papedom	Pius VII.	Aug. 11, 1742	Mar. 14, 1800
Sardinia	Victor-Emanuel		June 4, 1802
Ottoman Empire	Selim III.	July 17, 1761	April 7, 1789
Two Sicilies,	Ferdinand IV.	Jan. 12, 1751	Oct. 6, 1759
France	Bonaparte	Aug. 15, 1769	Dec. 15, 1799

The FULL WEIGHT of the COINS, with the LEAST WEIGHT allowed to pass of the Gold Coin.

Wt. allowed.		Full Wt.		Full Wt.	
GOLD.	dwt. gr.	dwt. gr.	SILVER.	dwt. gr.	
Guinea	5 8	5 9 ²⁰ ₈₉	A Crown,	19	8 ¹⁶ ₃₁
Half Guinea,	2 16	2 16 ²⁴ ₈₉	Half Crown,	9	16 ³¹ ₃₁
Third of Guin.	1 19	1 19 ¹³ ₈₉	Shilling,	1	20 ²⁸ ₃₁
			Six Pence,	1	22 ¹⁴ ₃₁

According to the above proportions it appears, that the value of a lb. of silver is 6s. 2s. and of a lb. of gold is 44¹₂ guineas, or 46l. 14s. 6d. Also that the oz. of silver is 5s. 2d. and the oz. of gold 3l. 17s. 10¹₄d. So that the value of the standard gold is 15 times that of the silver, and 1-14th more.

A TABLE of TERMS and RETURNS.

Hilary Term begins *January 23*, ends *February 13*.

Returns or Effoign Days.	Exc.	Ret.	App.	W. D.
In eight Days of St. Hilary, - - - <i>January 20</i>	21	22	23	<i>Mond.</i>
In fifteen Days of St. Hilary, - - - - - 27	28	29	30	<i>Mond.</i>
On the Morrow of the Purif. of bl. V. M. <i>Feb. 3</i>	4	5	6	<i>Mond.</i>
In eight Days of the Purif. of bl. V. Mary, 9	10	11	13	<i>Mond.</i>

Easter Term begins *April 18*, ends *May 14*.

In 15 Days of <i>Easter</i> , - - - - - <i>April 15</i>	16	17	18	<i>Wednes.</i>
From the Day of <i>Easter</i> in 3 Weeks, - 22	23	24	25	<i>Wednes.</i>
From the Day of <i>Easter</i> in 1 Month, - 20	30	1	2	<i>Wednes.</i>
From the Day of <i>Easter</i> in 5 Weeks, <i>May 6</i>	7	8	9	<i>Wednes.</i>
On the Morrow of the <i>Ascension</i> , - - - 11	12	13	14	<i>Monday</i>

Trinity Term begins *June 1*, ends *June 20*.

On the Morrow of the holy Trinity, <i>May 28</i>	29	30	1	<i>Friday.</i>
In eight Days of the holy Trinity, <i>June 3</i>	4	5	6	<i>Wednes.</i>
In fifteen Days of the holy Trinity - - 10	11	12	13	<i>Wednes.</i>
From the holy Trinity in 3 Weeks, - 17	18	19	20	<i>Wednes.</i>

Michaelmas Term begins *Nov. 6*, ends *Nov. 28*.

On the Morrow of <i>All Souls</i> , - - - - - <i>Nov. 3</i>	4	5	6	<i>Tuesd.</i>
On the Morrow of St. Martin, - - - - - 12	13	14	15	<i>Thursd.</i>
In eight Days of St. Martin, - - - - - 18	19	20	21	<i>Wednes.</i>
In fifteen Days of St. Martin, - - - - - 25	26	27	28	<i>Wednes.</i>

N. B. No Sittings in *Westminster-Hall* on the 2d of February, *Ascension Day*, and *Midsummer Day*.

The Exchequer opens Eight Days before any Term begins, except Trinity, before which it opens but Four Days.

Noté, That the first and last Days of every Term are the first and last Days of Appearance.

OXFORD and CAMBRIDGE TERMS.

OXFORD TERMS.

Lent Term - - - begins <i>January 14</i> , - - - ends <i>March 24</i> .
Easter Term - - - begins <i>April 11</i> , - - - ends <i>May 12</i> .
Trinity Term - - - begins <i>May 30</i> , - - - ends <i>July 10</i> .
Michaelmas Term begins <i>October 10</i> , - - - ends <i>Dec. 17</i> .

The Act is *July 9*.

CAMBRIDGE TERMS.

Lent Term - - - begins <i>January 13</i> , - - - ends <i>March 23</i> .
Easter Term - - - begins <i>April 11</i> , - - - ends <i>July 6</i> .
Michaelmas Term begins <i>October 10</i> , - - - ends <i>Dec. 16</i> .

The Commencement will be *July 3*.

8 January hath XXXI Days.

Four Seasons of the Year there are in all,
The Winter, Spring, the Summer, and the Fall;
In every one of these the Rule of Reason
Bids, keep good Diet, suiting every Season.

M	h	u	D
D	h	m	h
1	3	2	16
6	4	3	15
11	4	4	15
16	R	4	15
21	4	5	15
26	3	5	15

M	W	Sundays and	long	long	h	h	h	Aspects and
D	D	Remark. Days	h	h	h	h	h	Weather.
1	A	Circumcision	9 ^h 57	1 ^m 55	3	29	18	□ h δ
2	M		10 58	14 22	4	20		Frosts, with
3	T	Sun rises 8. 4.	12 0	26 33	5	21		□ u ♀
4	W	Sun sets 3. 57	13 1	8 33	6	23		Δ h ♀
5	T		14 2	20 26	6	24		cold winds,
6	F	Epiph. 12th day	15 3	2 ^m 18	7	26		driving sleet,
7	S	[O. Chris.	16 4	14 13	8	28		or cold rain.
8	A	1 S. aft. Epiph.	Lucian	26 15	9	29		
9	M	Plow Monday	18 7	8 29	10	9		
10	T		19 8	20 56	10	10		Δ h ♀; □ 4 ♀
11	W	Sun rises 7. 57	20 9	3 ^h 38	11	12		
12	T		21 10	16 36	12	13		Rough winds,
13	F	Hil. C. T. b. Old New	29 49	13 14	7			perhaps frost
14	S	Oxf. T. b. [Years. D.	13 16	13 15	9			and snow.
15	A	2 S. aft. Epiph.	24 14	26 56	14	17		
16	M		25 15	10 45	15	18		
17	T	Sun sets 4. 10.	26 16	24 43	16	19		
18	W	Q. Char. b. d. k.	Prisca	8 47	16	20		
19	T	Old 12th D.	28 18	22 56	17	22		Cold and tur-
20	F	Fabian	29 19	7 8	18	23		bulent weather
21	S	Agnes	0 20	21 19	19	24		now about.
22	A	3 S. aft. Epiph.	Vinc.	5 29	19	25		
23	M	Hil. T. begins	2 22	19 34	20	27		
24	T		3 23	3 31	21	28		Δ O h
25	W	Cony. St. Paul	4 24	17 17	22	29		□ O u
26	T	Declip. visible	5 25	0 49	23	23		Frosty and
27	F	D. of Suffex b.	6 26	14 4	23	24		more fine at
28	S	Sun rises 7. 34.	7 27	27 3	24	24		the end.
29	A	Septuagesim. S.	8 28	9 44	25	4		
30	M	K. Cha. I. Mar.	9 29	22 9	26	5		
31	T	Sun sets 4 31.	10 30	4 21	26	7		

M	Jupiter	Venus	Partridge. January, 1804. 9	
D	South	South		
1	7 m 13	1 a 23	Last Quarter	4th Day, at 10 Night.
6	7 0	1 26	New Moon	12th Day, at 9 Night.
11	6 40	1 30	First Quarter	19th Day, at 10 Night.
16	6 21	1 33	Full Moon	26th Day, at 9 Night.
21	6 1	1 37	1st Day	h So. 5 m 34, s 11 m 32. y o a 36.
26	5 42	1 40	16th D.	4 25, 11 16. 1 11.

M	Lunar Aspects.						Clock	Moon	D	rises		Observations.
D	☉	☿	♈	♉	♊	♋	bef. ☉	South	&	sets		
A			*	Δ			3'33"	3m14		9a11		God direct the general affairs of England. Some new commo- tion just now break- ing out, and several offenders accused and brought to pu- nishment. Very material are sets the councils and consultations of this month.
2						Δ	4 1	3 57		10 23		
3		♋		□			4 30	4 38		11 33		
4	□				Δ		4 57	5 17		morn		
5						□	5 25	5 57		0 42		
6			♋	*	□		5 52	6 39		1 53		
7	*						6 19	7 23		3 5		
A		*				*	6 45	8 9		4 16		
9						*	7 10	8 59		5 25		
10							7 36	9 52		6 29		
11		□	*	♋			8 0	10 46		7 22		10 Arch-bp. Laud beheaded 1645 11 Sir Hans Sloane died. 1752 15 Pondicherry surrendered 1760 17 Bat.of Falkirk 1746 20 First Parliam. 1269 21 Louis XVI. K. of Fr. beh. 1793 24 A great fire at the Custom-h. 1715 28 Hen. VIII. died 1547 31 Guy Faux ex. 1606
12	♋						8 24	11 41		sets		
13	9	Δ	□			♋	8 48	0a34		4a47		
14						♋	9 10	1 25		6 10		
A				Δ			9 32	2 15		7 33		
16				*			9 54	3 2		8 56		
17	*	8					10 15	3 49		10 18		
18				□		*	10 35	4 37		11 42		
19	□		8		*		10 54	5 27		morn.		
20				Δ		□	11 13	6 20		1 8		
21	Δ	Δ				□	11 30	7 17		2 35		
A							11 47	8 16		4 0		
23					Δ	Δ	12 3	9 17		5 14		
24		□	Δ				12 19	10 17		6 16		
25				8			12 33	11 13		7 15		
26	8	*	□				12 47	morn.		rises		
27	9					8	13 0	0 6		5a21		
28		*		8			13 12	0 55		6 38		
A							13 23	1 40		7 54		
30	♋		Δ				13 34	2 22		9 4		
31	Δ						13 44	3 3		10 15		

10 February hath XXIX Days.

M	h	24	h
D	h	h	h
1	3	5	14
6	3	6	14
11	3	6	13
16	3	6	13
21	2	8	13
26	2	6	13

In Spring your Dinner must not much exceed;
 In Summer's Heat, but little Meat shall need;
 In Autumn, 'ware you eat not too much Fruit;
 With Winter's Cold full Meals do fitter suit.

M	W	Sundays and	☉ long	☽ long	♂	♀	☿	Aspects and
D	D	Remark. Days.			h	m	s	Weather.
1	W	Sun rises 7. 27.	11 31	16 22	27	8	23	Sleet or Rain
2	T	Purif. of Candl.	12 32	28 17	28	9	22	at the begin-
3	F	Blase	13 32	10 m	9	29	10 22	ning.
4	S		14 33	22 4	30	12	21	
5	A	Sexagesima S.	15 34	4 4	6	13	19	
6	M	[Agatha	16 35	16 20	1	14	18	♂ ☉ ♀
7	T		17 36	28 49	2	15	17	Now frosty
8	W	Sun sets 4. 45.	18 36	11 37	3	16	16	△ h ♂
9	T		19 37	24 46	3	18	15	and more fair.
10	F		20 38	8 16	4	19	14	
11	S	☉ eclipsed, vis.	21 38	22 6	5	20	13	□ 4 ♂
12	A	Shrove Sunday	22 39	6 13	6	21	12	More temper-
13	M	Hilary T. ends.	23 40	20 32	7	23	11	ate a few
14	T	Shr. Tu. Valent.	24 40	4 59	7	24	10	days.
15	W	Ash W. [Old C.	25 41	19 28	8	25	10	
16	T		26 42	3 53	9	26	9	♂ ♂ ♀
17	F	Cam. T. div. n.	27 42	18 11	10	28	9	New wind
18	S	Sun rises 5. 56.	28 43	2 19	10	29	9	and rain may
19	A	Quad. 1 S. in Lt.	29 43	16 15	11	30	8	be expected, if
20	M		0 43	29 59	12	1	8	not snow.
21	T	Sun sets 5. 9.	1 44	13 30	13	2	9	♂ h ♀
22	W	Ember Week	2 44	26 48	14	4	9	
23	T		3 44	9 53	14	5	9	
24	F	St. Matthi. D. of	4 45	22 45	15	6	10	
25	S	[Camb. b.	5 45	5 26	16	7	10	△ ☉ 4
26	A	2 S. in Lent	6 45	17 55	17	9	11	Frosty and
27	M	Sun rises 6. 39.	7 45	0 12	17	10	11	more fair.
28	T		8 46	12 20	18	11	12	
29	W	Sun sets 5. 25.	9 46	24 19	19	12	13	

JUPITER will be a Morning Star till April 24; then an Evening Star till November 8; and then a Morning Star for the rest of the Year.

M	Jupiter	Venus	Partridge. February 1804. 1	
D	South.	South.		
1	5 m 19	1 a 44	Last Quarter 3d Day, at 7 Night.	
6	5 0	1 47	New Moon 11th Day, at 11 Morning.	
11	4 41	1 50	First Quarter 18th Day, at 5 Afternoon	
16	4 21	1 53	Full Moon 25th Day, at 1 Afternoon	
21	4 2	1 56	1st Day h So. 3 m 21, δ 11m2, γ oa 42	
26	3 43	1 59	16th D. 2 19, 10 50, 10m47	

M	Lunar Aspects.						Clock	Moon	D rises	Observations.
D	☉	☿	♈	♀	♊	♋	bef. ☉	South	& sets	
1				☐		Δ	13 53	3 m 43	11 a 27	Very material are the configurations of the celestial bodies this month, as well as of the last month past; they shew or portend very notable things all over <i>Europe</i> . We shall rarely want matter to exercise our wonder. Some news arrives from <i>France</i> .
2			♂				14 14	25	morn.	
3	☐			Δ	☐		14 8	5 8	39	
4		*	*				14 15	54	1 51	
A				☐			14 20	6 42	3 3	
6	*				*		14 25	7 33	4 7	4 Martiaico sup. 1762 6 Cha. 11. died 1685 11 London Bridge burnt 1632 12 Lady Jane Grey beheaded 1554 16 Sir J. Oldcastle burnt 1418 18 Q. Mary behe. 1587 22 Quaker's affirmation accep. 1702 24 Earl Derwent-water behead. 1716 25 Sir Chr. Wren died 1723
7		☐	*				14 29	8 27	5 5	
8				*			14 33	9 22	5 51	
9		Δ	☐	♂			14 35	10 16	6 25	
10					♂		14 37	11 9	6 50	
11	♂		Δ				14 38	0 51	6 33	
A	0						14 38	0 51	6 33	
13		8		♂			14 37	1 40	7 57	
14			*	*	*		14 36	2 29	9 21	
15	*						14 34	3 20	10 50	4 Martiaico sup. 1762 6 Cha. 11. died 1685 11 London Bridge burnt 1632 12 Lady Jane Grey beheaded 1554 16 Sir J. Oldcastle burnt 1418 18 Q. Mary behe. 1587 22 Quaker's affirmation accep. 1702 24 Earl Derwent-water behead. 1716 25 Sir Chr. Wren died 1723
16			8	☐	☐		14 31	4 13	morn.	
17	☐			*			14 27	5 9	18	
18		Δ		Δ	Δ		14 23	6 8	1 45	
A							14 18	7 8	3 3	
20	Δ	☐	Δ		☐		14 12	8 8	4 8	
21							14 5	9 54	5 58	
22		*	☐		Δ		13 58	9 58	5 31	
23				8	8		13 50	10 48	5 56	
24							13 42	11 34	6 15	
25	8		*				13 43	morn.	D rises	
A	1						13 23	0 17	6 49	
27		♂		8			13 13	0 59	7 59	
28			Δ		Δ		13 21	1 40	9 10	
29			♂				12 51	2 21	10 22	

Venus will be an Evening Star till August 4; and then a Morning Star for the rest of the Year.

'Tis good to bleed, to bathe, and now to purge,
 But yet 'tis best to see Occasion urge;
 Some purge so much, they purge themselves of all,
 And bathe so oft, till all their Hair doth fall.

M	D	h	m	s
1	2	6		
6	1	6	12	
11	1	5	12	
16	1	5	12	
21	0	5	12	
26	12	4	11	

M	W	Sundays and	☉ long	☽ long	♂	♀	☿	Aspects and
D	D	Remark. Days.	°	'	°	'	°	Weather.
1	i	David	10	46	6	14	20	13 14 * ♀ ♀
2	F	Chad.	11	46	18	5	21	15 15 Some wind and
3	S		12	46	29	59	21	16 15 wet now a-
4	G	3 Sun. in Lent	13	46	11	59	22	17 16 bout.
5	M	Sun rises 6. 25	14	46	24	10	23	18 18
6	T		15	46	6	36	24	20 19
7	W	Perpetea.	16	46	19	22	25	21 20
8	T		17	46	2	32	25	22 21
9	F	Sun sets 5. 43	18	46	16	8	26	23 22 Fair and more
10	S		19	46	0	10	27	24 23 fine for the
11	G	Midnat Sund.	20	46	14	35	28	26 25 season.
12	M	Gregory	21	45	29	19	28	27 26
13	T		22	45	14	13	29	28 27
14	W	Sun rises 6. 7.	23	45	29	9	29	28 28
15	T		24	45	13	8	59	1 8 Rough winds
16	F		25	44	28	35	2	2 1 * ♂ ♀; ♂ ♂ ♂
17	S	St. Patrick	26	44	12	11	52	2 3 3 * ♀ ♀ with
18	G	5 Sun. in Lent	27	43	26	49	3	4 4 8 ♀ ♀; Δ ♀ ♀
19	M	[Edw.K.W.S.]	28	43	10	25	4	5 6 stormy wea-
20	T		29	43	23	41	5	6 7 Δ ♀ ♂
21	W	Benedict.	0	42	6	41	5	7 9 8 ♂ h
22	T		1	41	19	26	6	9 10 ther, hail,
23	F	Camb. T. ends	2	41	1	59	7	10 12 rain or sleet.
24	S	Oxford T. ends	3	40	14	22	8	11 13
25	G	Palm S. Lady D.	4	39	26	36	9	12 15
26	M		5	39	8	43	9	13 16 Fine, but not
27	T	Sun rises 6. 19.	6	38	20	44	10	15 18 without some
28	W		7	37	2	40	11	16 20 frosts.
29	T	Maundy Thurf.	8	36	14	33	12	17 21
30	F	Good Friday	9	36	26	24	13	18 23
31	S	Sun sets 6. 26.	10	35	8	18	13	19 25

M	Jupiter	Venus	Partridge.	March, 1804.
D	South	South		
1	3 me8	2 a 1	Laft Quarter	4th Day, at 4 Afternoon
6	3 8	2 5	New Moon	11th Day, at 11 Night.
11	2 49	2 9	First Quarter	18th Day, at 2 Aftern.
16	2 29	2 13	Full Moon	26th Day, at 5 Morning.
21	2 10	2 17	1st Day	5 So. 1 m 23, 8 10m 42, 8 10m 10
26	1 50	2 22	16th D.	o 24, 10 31, 10 38

[illegible]

As Agues shake the Joints of feeble Men,
So Discontent will vex some now and then;
But Scripture saith, with Patience bear your Cross,
And think it Gain to undergo some Loss.

M	D	h	m	s
1	29	3	2	
6	29	3	1	
11	29	2	1	
16	28	2	1	
21	28	1	1	
26	28	0	1	

M	D	W	Sundays and Remark. Days.	☉ long °	☽ long °	♂ °	♀ °	☿ °	Aspects and Weather.
1	G		Easter Day	14 34	20 17	14 20	27		Rather cold with some wet.
2	M		Easter Mond.	12 33	21 25	15 22	28		
3	T		Easter Tuesd.	Richard	14 47	16 23	27		
4	W		Ambrose	14 31	27 28	16 24	2		
5	T			15 30	10 32	17 25	4		Δ ♀ Now fair and pleasant wea- ther for some days.
6	F		Old Lady Day	16 29	24 4	18 26	6		
7	S			17 28	8 5	19 27	8		
8	G		Low Sunday	18 27	22 34	20 29	10		
9	M		Sun rises 5. 16	19 25	7 27	20 11	12		Somewhat windy with stormy wea- ther.
10	T			20 24	22 37	21 1	14		
11	W		Cx. & Cam. T. b	21 23	7 53	22 2	16		
12	T			22 22	23 4	23 3	18		
13	F		Sun sets 6. 52.	23 21	7 59	23 4	20		☉ ☽ Somewhat ☿ ♀ ☿ ♀ ☉ ☽ 7 windy with 9 stormy wea- ther.
14	S			24 19	22 32	24 5	22		
15	G		2 S. aft. Easter	25 18	6 39	25 7	24		
16	M		Sun rises 5. 3.	26 17	20 18	26 8	26		
17	T			27 15	3 33	27 9	28		More warm and fine at the end.
18	W		Easter Ter. beg.	28 14	16 26	27 10	8		
19	T		Alphege	29 12	29 1	28 11	2		
20	F			0 8	11 11	29 12	4		
21	S		Sun sets 7. 7.	1 9	23 33	29 13	7		☉ ☽ ☿ ♀ ☿ ♀ ☉ ☽ 7 windy with 9 stormy wea- ther.
22	G		3 S. aft. Easter	2 7	5 37	0 15	9		
23	M		St. George	3 6	17 35	1 16	11		
24	T			4 4	29 30	2 17	13		
25	W		St. Mark. Prs.	5 2	11 24	3 18	15		More warm and fine at the end.
26	T		[Mar. b.	6 1	23 16	3 19	17		
27	F		Sun rises 4. 42.	6 59	5 9	4 20	19		
28	S			7 57	17 6	5 21	21		
29	G		4 S. aft. Easter	8 55	29 7	6 22	23		
30	M		Sun sets 7. 23.	9 53	11 17	7 23	25		

M D	Jupiter South.	Venus South
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Partridge. April, 1804. 15

1	1 m 26	2 a 28
6	1 7	2 33
11	0 47	2 39
16	0 28	2 44
21	0 8	2 50
26	11 a 38	2 56

Last Quarter 3d Day, at 9 Morning.
 New Moon 10th Day, at 8 Morning.
 First Quarter 16th Day, at 12 Night.
 Full Moon 24th Day, at 10 Night.
 1st Day $\frac{1}{2}$ So. 11 a 17, $\frac{1}{2}$ 10 m 21, $\frac{3}{4}$ 11 m 9
 16th D. 10 18, 10 8, 0 a 2.

M D	Lunar Aspects.					Clock	Moon Drifts		Observations.
	☉	☿	♈	♀	♊	bef. ☉	South	& sets	
G		☐				3' 57"	4m 18	0m 53	
2	☐		*			3 39	5 10	1 46	The 8 of ♄ and
4				*	Δ	3 21	6 3	2 32	♄ that happens this
3	Δ	☐			*	3 3	6 55	3 1	month, will have
5	*					2 45	7 46	3 25	some very evil and
6		Δ		☐		2 28	8 36	3 44	remarkable effects
7			♈			2 10	9 26	4 1	all over Europe du-
G	8			*		1 53	10 16	4 17	ring part of this
9	♈				♈	1 36	11 7	4 32	year. It will create
10	20	8				1 20	0 a 1	sets	broils and contenti-
11			*			1 3	0 59	9 a 8	ons; it will arm
12	Δ			♈		0 47	2 0	10 39	mankind, I doubt,
13					*	0 32	3 3	11 59	with madness, &c.
14	*	☐	Δ	☐		0 16	4 7	morn	&c.
G						0 a f. 1	5 8	1 3	
16	☐	*	☐	Δ	☐	0 14	6 5	1 48	
17					*	0 28	6 57	2 19	
18						0 42	7 44	2 41	8 Edw. IV. died 1483
19	Δ		*		Δ	0 56	8 28	2 59	8 Pr. of Wales m. 1791
20				☐		1 9	9 10	3 12	11 W. & M. cro. 1689
21	♈		8			1 22	9 51	3 25	14 Handel died 1759
G				Δ		1 35	10 32	3 38	16 Batt. of Cull. 1741
23						1 47	11 13	3 51	22 Hen. VII. died 1509
24	8	♈				1 59	11 57	rises	Total Eclipse of
25	10			8		2 10	morn	8 a 35	the Sun - 1711
26	*		Δ			2 20	0 42	9 44	23 Shakesp. died 1616
27						2 31	1 30	10 50	27 Dunkirk dem. 1711
28	☐			8		2 40	2 20	11 46	30 Bat. Fontenoy 1744
G	Δ	*	☐			2 49	3 12	morn	
30						2 58	4 4	0 33	

'Tis sweet to walk betimes into the Field,
And hear the Music pleasant Birds do yield.
But as you walk, May Flowers home to bring,
Learn to be deaf when subtle Sirens sing.

M	D	h	m	s
1	27	30		
6	27	29		9
11	27	29		9
16	27	28		8
21	27	28		8
26	27	27		8

M	W	Sundays and	long	long	δ	♀	♂	Aspects and
D	D	Remark. Days.	°	'	°	'	''	Weather.
1	T	St. Phil. & James	10	8	52	23	39	7 24 27
2	W	Sun rises 4. 34	11	50	6	18	8 26 29	Δ h ♀
3	T	Inv. of the Crofs	12	48	19	18	9 27 11	May comes
4	F		13	46	2	43	10 28 2	in cold.
5	S	Sun sets 7. 32.	14	44	16	36	10 29 4	□ h ♀
6	G	Rogat. Sund. John Ev. A.P.L.	11				11 25 5	Δ 4 ♀
7	M	Ds. York born	16	40	15	45	12 1 7	Some showers
8	T		17	38	0	53	13 2 8	now about.
9	W	Sun rises 4. 22.	18	36	16	11	13 3 9	
10	T	Asc. Holy Thur.	19	34	1	29	14 4 11	
11	F		20	32	16	35	15 5 12	
12	S	Sun sets 7. 43.	21	30	1	19	16 6 13	Drying winds
13	G	9. aft. Ascension	Old	May	Day	17	7 14	for several
14	M	Easter T. ends	23	25	29	25	17 8 15	days.
15	T		24	23	12	46	18 9 16	
16	W	Sun rises 4. 11.	25	21	25	41	19 10 17	
17	T	Prs. of Walc.	26	19	8	15	20 11 18	Rather more
18	F	[Oxf. T. c.	27	16	20	33	20 12 19	Δ o h
19	S	Q. Char. born	Dunstan	2	40	21	13 20	cloudy now a-
20	G	Whit Sunday	29	12	14	38	22 14 20	bout.
21	M	Whit Monday	0	11	9	26	32 23 15	
22	T	Whit Tu. Prs.	Eliz. born	24	23	16	21	
23	W	Ember Week	2	4	20	17	24 17 21	
24	T	Cam. T. div. n.	3	2	2	11	25 18 22	Fine warm
25	F	Sun sets 8. 1.	4	0	14	10	26 19 22	weather, and
26	S	Augustin	4	57	26	13	26 20 22	perhaps some
27	G	Trinity Sunday	5	55	8	22	27 21 18	8 4 ♀
28	M	[Ven. Bede	6	52	20	41	28 22 22	thunder.
29	T	K. Ch. II. rest.	7	50	3	10	29 23 22	
30	W	Oxf. T. begins	8	47	15	54	29 24 22	
31	T	Corpus Christi	9	45	28	56	8 25 22	

M	Jupiter	Venus	Partridge. May, 1804. 17
D	South	South	
1	11 a 17	3 a 2	Last Quarter 2d Day, at 11 Night.
6	10 55	3 7	New Moon 9th Day, at 4 Aftern.
11	10 34	3 11	First Quarter 16th Day, at 11 Morn.
16	10 12	3 14	Full Moon 24th Day, at 2 Aftern.
21	9 51	3 16	1st Day $\frac{1}{2}$ So. 9 a 19, δ 9 m 55, η 1 a 2
26	9 29	3 17	12th Day, 8 19, 9 38, 1 31.

M	Lunar Aspects						Clock	Moon	Rises	Observations.
D	☉	☿	♈	♀	♊	♋	aft. G	South	& sets	
1		Δ	□			Δ	3' 6	4m55	1m7	Some differences and disturbances will be assuredly manifested about this time, and where armies are on foot, expect to hear of battles, and slaughters of men. <i>Spain</i> and <i>Italy</i> are in distress, and the <i>German Empire</i> not very easy. <i>France</i> seems to be very active.
2	□			*			3 13	5 45	1 33	
3			Δ		Δ	□	3 20	6 34	1 54	
4	*						3 26	7 22	2 11	
5		8					3 32	8 9	2 26	
G	-		♂	□	*		3 37	8 58	2 40	
7			8				3 42	9 49	2 56	
8				*			3 46	10 44	3 13	
9	♂	Δ					3 49	11 44	lets. 3 13	
10	4		*		♂		3 52	0 47	9a35	
11		□	Δ				3 54	1 52	10 48	1 Dryden died 1700 4 Hen. VI. murdered 1471 14 Anne Bulleyne beheaded 1504 17 D. of Marlborough died 1722 — Princes of Wales born 1768 19 Battle of La Hogue 1692 27 J. Calvin died 1554
12				♂			3 56	2 56	11 43	
G	*	*	□	□			3 57	3 57	morn. 0 20	
14							3 58	4 53	0 20	
15			Δ	*			3 58	5 43	0 45	
16	□	*					3 57	6 29	1 6	
17				*	□		3 56	7 12	1 24	
18	Δ	♂					3 54	7 53	1 36	
19							3 52	8 33	1 49	
G			8	□	Δ		3 49	9 14	2 1	
21			♂				3 46	9 57	2 14	
22				Δ			3 42	10 41	2 30	
23	*						3 38	11 28	2 48	
24	8						3 33	morn. rises		
25	2				8		3 28	0 17	9a35	
26		□	*	Δ			3 22	1 9	10 30	
G							3 16	2 0	11 7	
28			□	□	8		3 9	2 51	11 35	
29	Δ	Δ					3 2	3 41	11 58	
30			Δ		Δ		2 54	4 30	morn. 0 16	
31	□		*				2 46	5 17		

M	h	u	D
D	mo	u	8
1	27	27	---
6	27	26	8
11	27	26	7
16	27	26	7
21	27	26	7
26	27	D	7

JUNE joys the Heart, and jocund makes the Mind,

Yet see you learn, to 'ware the Female Kind.

Wine, Women, Baths, by Art or Nature warm;

Us'd or abus'd, do Men much good or harm.

M	W	Sundays and Remark. Days.	o long	D long	8	9	10	Aspects and Weather.
D	D							
1	F	Nicomed. Trin.	10	11 42	12	11 19	1 26 21	
2	S	[T. beg.	11	39 26	5	2 27 21	2 27 21	* h ♀, □ 2 ♀
3	G	S. aft. Trin.	12	37 10	15	2 28 21	2 28 21	Fair and hot
4	M	K. Geo. III. b.	13	34 24	49	3 29 20	3 29 20	now about.
5	Tu	D. of Cumb. b.	14	32 9	42	4 29 20	4 29 20	
6	W	[Bonif.	15	29 24	47	5 30 19	5 30 19	
7	T		16	26 9	54	5 1 19	5 1 19	
8	F	Sun rises 3 47	17	24 24	55	6 2 18	6 2 18	δ ○ ♀
9	S		18	21 9	38	7 3 17	7 3 17	Some flying
10	G	2 S. after Trin.	19	19 23	59	7 4 17	7 4 17	showers.
11	M	St. Barnabas	20	16 7	52	8 4 16	8 4 16	
12	Tu		21	13 21	18	9 5 16	9 5 16	
13	W	Sun sets 8 16	22	11 4	19	10 6 15	10 6 15	Cooling gales
14	T		23	8 16	57	10 7 15	10 7 15	of wind, with
15	F	Sun rises 3 43	24	5 29	17	11 8 15	11 8 15	showers.
16	S		25	2 11	24	12 8 14	12 8 14	
17	G	3 Sun. aft. Trin.	26	0 23	22	13 9 14	13 9 14	
18	M	[St. Alban.	26	57 5	15	13 10 14	13 10 14	□ ○ h
19	Tu	Sun sets 8 17	27	54 17	7	14 10 14	14 10 14	Cloudy often,
20	W	Term e. Tr. Ed.	28	51 29	1	15 11 14	15 11 14	but not bad
21	T	Longest Day.	29	49 11	0	15 12 14	15 12 14	weather.
22	F		0	46 23	6	16 12 14	16 12 14	
23	S		1	43 5	19	17 13 14	17 13 14	
24	G	4 S. aft. Tr. Nat.	2	40 17	42	18 14 14	18 14 14	
25	M	[J. Bap. Midl.	3	37 0	15	18 14 14	18 14 14	Frequent
26	Tu		4	34 13	0	19 15 15	19 15 15	showers, if not
27	W	Sun rises 3 44	5	32 25	58	20 15 15	20 15 15	Δ ○ 2, * ♀ ♀
28	Th		6	29 9	12	21 16 16	21 16 16	some thunder.
29	F	St. Peter.	7	26 22	41	21 16 17	21 16 17	
30	S	Sun sets 8 15	8	23 6	27	22 17 17	22 17 17	

M	Jupiter	Venus	Partridge. June, 1804. '19	
D	South	South		
1	9 a 3	3 a 17	Last Quarter 1st Day, at 9 Morning.	
6	8 42	3 15	New Moon 7th Day, at 11 Night.	
11	8 20	3 12	First Quarter 15th Day, at 1 Morning.	
16	7 59	3 7	Full Moon 23d Day, at 6 Morning.	
21	7 38	3 0	Last Quarter 30th Day, at 4 Afternoon.	
26	7 17	2 49	1st Day $\frac{1}{2}$ So. 7 a 14, δ 9m 19, δ o a 46.	

M	Lunar Aspects.						Clock	Moon	D rises	Observations.
D	☉	☿	♊	♋	♌	♍	aft. ☉	South	& sets	
1						☐	2 37"	6m 3	om 30	These are but fatal times for some countries, the sword of the angry angel is drawn against them. Let us look but a round us, and we shall see storms above, and stormy actions below: and what will the end be? May God avert these troubles far from the dominions of <i>Great-Britain</i> .— We live in strange unsettled times.
2		8			Δ		2 28	6 49	0 44	
G 3	*					*	2 19	7 37	0 59	
4			8	♌	☐		2 9	8 29	1 16	
5							1 59	9 24	1 36	
6	Δ				*		1 48	10 24	2 4	
7	♌					♌	1 37	11 28	sets	
8	11	☐	Δ	*			1 26	0a 33	9a 25	
9							1 14	1 37	10 12	
G 10	*	☐			♌		1 3	2 36	10 42	
11				☐	*		0 51	3 30	11 7	
12	*		*				0 38	4 19	11 24	
13				Δ		☐	0 26	5 4	11 38	
14	☐	♌					0 14	5 46	11 50	
15					*		0 1	6 27	morn.	
16					Δ		0b. 12	7 8	0 2	
G 17	Δ		♌				0 24	7 50	0 16	
18				8	☐		0 37	8 34	0 31	
19		*					0 50	9 20	0 49	
20							1 3	10 8	1 12	1 Lord Howe beat the French fleet 1794 7 Belleisle taken 1761 8 Seven Bishops sent to the Tower 1688 10 Geo. I. died 1727 16 Battle of Dettingen 1743 17 Addison died 1719 18 Mahomet died 631
21					Δ	8	1 16	10 59	1 43	
22	8	☐	*				1 29	11 51	2 25	
23	18						1 41	morn.	rises	
G 24	Δ	☐	Δ				1 54	0 42	9a 35	
25							2 7	1 33	9 58	
26				☐	8	Δ	2 19	2 22	10 17	
27	Δ		Δ				2 32	3 10	10 33	
28			*			☐	2 44	3 56	10 46	
29		8					2 56	4 41	11 0	
30	☐			Δ	*	3	3 8	5 28	11 15	

Now hear the peaceful Language of the Fair,
 Their kind Intreaties never will enflame;
 They do not urge each other to Excess,
 Nor yet the weakest Appetite opprefs.

M	D	h	m	s
1	28	26		6
6	28	26		6
11	28	26		6
16	29	27		5
21	29	27		5
26	29	28		5

M	D	Sundays and Remark. Days.	☉ long	☽ long	♂	♀	♂	Aspects and Weather.
1	G	5 S. aft. Trin.	9 ⁵⁵ 20	20 ⁵⁵ 31	23	17	18	Hot, and dry
2	M	Visit. of V. M.	10 18	4 8 51	23	17	19	for the most
3	Tu	Camb. Com.	Dog Days beg	24	18	20		part.
4	W	Transf. Mart.	12 12	4 11 7	25	18	21	
5	T		13 9	8 52	26	19	22	
6	F	Cam. Ter. ends	Old Midf. Day	26	19	23		
7	S	Tho. a Becket.	15 4	18 ⁵⁵ 0	27	19	25	Now wind
8	G	6 S. aft. Trin.	16 1	2 11 11	28	19	26	Δ 4 8
9	M	Oxford Act	16 58	16 0	28	19	27	Δ 1 8; □ 1 8
10	Tu		17 55	29 26	29	20	29	and rain may
11	W	Sun rises 3 53	18 53	12 11 28	11	20	28	be expected.
12	T	Sun sets 8 6	19 50	25 9	20	2		
13	F		20 47	7 32	1	20	3	
14	S	Oxf. Term ends	21 44	19 41	2	18	5	Fair and hot
15	G	7 S. aft. Trin.	22 42	1 14 40	3	20	7	about this
16	M	[Swithin	23 39	13 34	3	20	9	time.
17	Tu	Sun rises 4 0	24 36	25 27	4	20	11	
18	W	Sun sets 7 59	25 33	7 23	5	19	12	
19	T		26 31	19 27	5	19	14	□ ○ 4
20	F	Margaret	27 28	1 13 40	6	19	16	Thunder
21	S		28 25	14 4	7	19	18	showers now
22	G	8 S. after Trin.	29 22	26 42	7	18	20	* ○ 1 2
23	M	[Magdalen	0 11 20	9 35	8	18	23	about.
24	Tu		1 17	22 41	9	18	25	
25	W	St. James.	2 14	6 12	9	17	27	* 1 8; □ 4 8
26	T	Anne	3 12	19 35	10	17	29	Windy, and
27	F		4 9	3 21	11	16	1	some showers
28	S	Sun rises 4 14	5 6	17 18	1	16	3	near the end.
29	G	9 S. aft. Trin.	6 4	1 8 24	12	15	5	
30	M		7 1	15 37	13	15	7	
31	T	Sun sets 7 42	7 59	29 55	13	14	9	* 1 8

Jupiter		Venus		Partridge. July, 1804. 21	
D	South		South		
1	6 25 37	2 2 37		New Moon 7th Day, at 7 Morning.	
6	6 37	2 21		First Quarter 14th Day, at 4 Aftern.	
11	6 18	2 2		Full Moon 22d Day, at 5 Afternoon.	
16	5 59	1 40		Last Quarter 29th Day, at 8 Aftern.	
21	5 40	1 15		1st Day $\frac{1}{2}$ So. 5 2 14, 8 8 m 41, 8 10 m 29.	
26	5 21	0 48		16th D. 4 16, 8 23, 10 56.	

Lunar Aspects.		Clock		Moon		D rises & sets	Observations.
D	☉	☿	♂	♀	♄		
G			8			3 20 6 m 16 11 12 34	The <i>French</i> talk of putting some great design into execution; but it will not effectually succeed; and they will have enough to do to defend themselves at sea, should the war, unfortunately be protracted to this time. The <i>Austrian</i> cedars shake, some things are on the decline in that ancient family.
2	*			□		3 31 7 8 11 58	
3		Δ	6			3 43 8 4 morn.	
4						3 54 8 4 0 28	
5		□	Δ	*	6	4 4 10 8 1 14	
6	6					4 15 11 12 2 20	
7	19	*	□	*		4 25 0 2 14 sets	
G						4 34 1 11 9 2 4	
9			*	6		4 44 2 3 9 22	
10				□	*	4 53 2 5 1 9 36	
11	*					5 1 3 35 9 49	
12		6	Δ	□		5 9 4 17 10 3	
13						5 16 4 59 10 17	4 The Rebellion began 1745 6 Hen. II. died 1189 Edw. VI. died 1553 Sir Fr. Moore beheaded 1535 7 Edw. I. died 1307 9 Czar Peter murdered 1762 13 Peace of Utrecht 1713 17 Cape - Breton taken 1745 24 Gibraltar taken 1704 29 Spanish Armada defeated 1588
14	□	6	*			5 23 5 41 10 31	
G					Δ	5 30 6 24 10 48	
16	Δ			□		5 36 7 9 11 9	
17		*	8			5 41 7 57 11 37	
18						5 46 8 47 morn	
19		□	*	Δ		5 51 9 39 0 14	
20						5 54 10 31 1 6	
21					8	5 58 11 23 1 59	
G	8	Δ	□	Δ		6 0 morn rises	
23	5			8		6 20 14 8 2 23	
24		Δ				6 4 1 3 8 36	
25			□			6 5 1 50 8 51	
26	8			Δ		6 52 36 9 6	
27	Δ		*	Δ		6 53 23 9 21	
28			8			6 44 11 9 38	
G	□			□		6 35 1 10 0	
30				□		6 15 55 10 29	
31	*	Δ		*		5 58 6 53 11 5	

In Summer Heat, when Choler hath Dominion,
Cool Meats and moist, are best in my Opinion;
The Fall is like the Spring, but endeth colder;
With Wine and Spice, the Winter may be bolder.

M	h	u	D
D	h	u	D
1	0	28	3
6	0	29	4
11	1	29	4
16	1	30	4
21	2	1	4
26	3	2	3

M	W	Sundays and	☉ long	☽ long	♂	♀	☿	Aspects and
D	D	Remark. Days.	°	°	II	Ω	Ω	Weather.
1	W	Lammas Day	8 59	14 11 15	14	13	11	♂ ♀ ☿
2	T		9 54	28 33	15	13	13	Showery
3	F	Sun rises 4 24	10 51	12 26 46	15	12	15	* ♂ ☿
4	S		11 48	26 49	16	12	17	♂ ☉ ♀
5	G	10 S. aft. Trin.	12 46	10 39	17	11	19	weather now
6	M	Transfiguration	13 44	24 14	17	10	21	about.
7	Tu	Prs. Am. b. Na.	14 41	7 30	18	10	23	
8	W	[of Jesus	15 39	20 27	19	9	25	
9	T	Sun sets 7 26	16 36	3 6	19	9	27	Now more
10	F	Lawrence	17 34	15 29	20	8	29	* ♀ ☿
11	S	Dfs. Brunf. b.	D. D. e. 27	38 21	7	7	31	fine.
12	G	11 S. a. Tr. Pr. Wales b.	19 38	21 7	3	6	4	Hot and dry
13	M	Old Lammas	20 27	21 32	22	6	4	for some days.
14	Tu		21 24	3 25	23	6	6	
15	W	Assumption	22 22	15 22	23	6	8	
16	T	D. of York b.	23 20	27 27	24	5	9	
17	F	Sun rises 4 48	24 18	9 44	25	5	11	
18	S		25 15	22 17	25	4	13	* ☉ ♂
19	G	12 S. aft. Trin.	26 13	5 8	26	4	14	Fair and plea-
20	M		27 11	18 19	27	4	16	sant.
21	Tu	D. of Claren. b.	28 9	1 48	27	4	18	
22	W		29 6	15 35	28	4	19	
23	T	Sun sets 7 1	0 4	29 36	29	4	21	
24	F	St. Bartholom.	1 2	13 47	29	3	22	* ☉ ♀
25	S	Sun rises 5 2	2 0	28 4	30	3	24	Thunder near
26	G	13 S. aft. Trin.	2 58	12 8	22	0	25	this time.
27	M		3 56	26 39	1	3	27	
28	Tu	St. Augustine	4 54	10 50	2	3	28	Δ ♀ ♂
29	W	J. Bapt. beh.	5 52	24 54	2	4	29	
30	T		6 50	8 51	3	4	30	
31	F	Sun sets 6 46	7 48	22 37	4	4	2	

M			Partridge. August, 1804. 23		
D	Jupiter South	Venus South			
1	5 a 1	o a 10	New Moon 5th Day, at 4 Afternoon.		
6	4 44	11 m 41	First Quarter 13th Day, at 10 Morning.		
11	4 28	11 9	Full Moon 21st Day, at 5 Morning.		
16	4 11	10 41	Last Quarter 28th Day, at 1 Morning.		
21	3 55	10 17	1st Day $\frac{1}{2}$ So. 3 a 17, δ 8 a 6, η o a 12.		
26	3 39	9 56	16th D. 2 26, 7 51, 1 a 3.		
M			Lunar Aspects.		
D	☉	☽	☿	♀	♂
1			♂	*	
2	☐	Δ			
3					
4	*	☐			
G 6	♂		*	♂	♂
6	4		*		
7			☐		
8	♂				
9				*	
10	*		Δ		
11		♂	☐	*	
G 13	☐	*			
14			Δ	☐	
15	Δ		8		
16		☐	*		
17				Δ	
18		Δ	☐		
G 20	8		Δ	8	
21	17				
22			☐	8	
23	8			Δ	
24			8	*	☐
25	Δ		8		
G 27	☐	Δ		*	Δ
28					
29	*	☐	Δ	♂	☐
30					
31	*	☐		♂	*
Clock			Moon		
bef. ☉	South	& rises			
5 55"	7 m 54	morn.			
5 52 8	56 0	0			
5 47 9	58 1	10			
5 43 10	56 2	20			
5 37 11	51	sets			
5 31 0	2 41	7 a 44			
5 25 1	27 7	58			
5 17 2	10 8	10			
5 10 2	53 8	23			
5 13 3	35 8	37			
4 52 4	19 8	54			
4 43 5	49 13				
4 33 5	50 9	38			
4 22 6	40 10	11			
4 11 7	31 10	57			
3 59 8	23 11	54			
3 46 9	15	morn.			
3 34 10	7 1	3			
3 20 10	58 2	25			
3 6 11	47 3	38			
2 52	morn.	rises.			
2 37 0	35 7	a 16			
2 22 1	22 7	31			
2 6 2	11 7	48			
1 50 3	2 8	8			
1 34 3	55 8	36			
1 17 4	52 9	11			
1 0 5	52 10	1			
0 42 6	54 11	13			
0 26 7	55	morn.			
0 6 8	53 0	26			
Observations.					
			This month is attended with some very good configurations, rather of a benevolent import. There will be held great and frequent consultations, tending I hope to peace and tranquillity to the much shattered and distracted affairs of Europe; I wish it much success.		
			1 Queen Anne died 1714		
			2 Ld. Nelson beat the French fleet near Egypt 1798		
			5 Crown Point taken 1759		
			6 King James II. died 1701		
			8 Cherbourg taken 1758		
			16 In a Rebellion in Ireland slain 20,000 1642		
			22 K. Richard III. killed in Bosworth field 148		

24 September hath XXX Days.

Good Husbands now in sowing busy be ;
But like the Devil, some sow Tares we see ;
Seeking to sow Sedition all about,
But God soon roots such Caterpillars out.

M	h	u	D
D	u	m	8
1	3	3	^{mm}
6	4	3	3
11	4	4	2
16	5	5	2
21	6	6	2
26	6	7	2

M	W	Sundays and	☉ long	☽ long	♂	♀	☿	Aspects and
D	D	Remark. Days.	°	°	♂	♀	☿	Weather.
1	S	Giles	8 ^{mm} 46	6 ^u 14	4	4	4	♂ h ♀
2	G	14 S. aft. Trin.	9 45	19 39	5	4	5	☿ ♂ ; * ♀ ♀
3	M	[Lon. b. 1666	10 43	2 ^{mm} 52	5	5	6	Brisk winds,
4	Tu		11 41	15 51	6	5	7	and perhaps
5	W	Sun rises 5 23	12 39	28 37	7	5	9	some showers
6	T		13 38	11 ^u 9	7	6	10	of rain.
7	F	Enurhus	14 36	23 27	8	6	11	
8	S	Nativ. of V. M.	15 34	5 ^m 34	8	7	12	
9	G	15 S. aft. Trin.	16 33	17 31	9	7	13	
10	M		17 31	29 24	10	8	14	
11	Tu	Sun sets 6 25	18 29	11 ^u 15	10	8	15	Fair and fine
12	W		19 28	23 10	11	9	16	for the most
13	T		20 26	5 ^h 13	11	9	17	part.
14	F	Holy Cross	21 25	17 30	12	10	18	
15	S	Sun rises 5 43	22 23	0 ^{mm} 5	13	10	19	
16	G	16 S. aft. Trin.	23 22	13 3	13	11	19	
17	M	Lambert	24 21	26 24	14	12	20	
18	Tu		25 19	10 ^u 11	14	12	21	Rather windy
19	W	Ember Week	26 18	24 20	15	13	21	now about.
20	T	Sun sets 6 7	27 17	8 ^u 48	16	14	22	
21	F	St. Mathew	28 15	23 28	16	14	22	
22	S	K. Geo. 3. crow.	29 14	8 8	17	15	22	Weather pretty
23	G	17 S. aft. Trin.	0 ^u 13	22 51	17	16	23	good for a late
24	M	Sun rises 6 1	1 12	7 ^u 22	18	7	23	harvest.
25	Tu		2 10	21 38	18	17	R	
26	W	St. Cypr. O. H.	3 9	5 ^u 39	19	18	23	
27	T	[Rood	4 8	19 24	20	19	22	Wind and rain
28	F	Sun sets 5 52	5 7	2 ^u 53	20	20	22	near the end.
29	S	St. Mich. Dfs. Wir. b.	16 8	21 21	21	21	22	♂ ☉ h * ♀ ♀
30	G	18 S. aft. Trin.	7 5	29 11	21	22	21	☐ ♂ ♀
[Jerome								

M	Jupiter	Venus	Partridge. September, 1804. 25	
D	South	South		
1	3 2 21	9 m 40	New Moon 4th Day, at 4 Morning.	
6	3 6	9 30	First Quarter 12th Day, at 4 Morning	
11	2 51	9 22	Full Moon 19th Day, at 4 Afternoon.	
16	2 37	9 16	Last Quarter 26th Day, at 7 Morn.	
21	2 22	9 12	1st Day $\frac{1}{2}$ So. 1 a 34, δ 7 m 37, δ 1 a 29	
26	2 8	9 9	16th Day 0 46, 7 22, 1 31	

M	Lunar Aspects.						Clock	Moon	Drises	Observations.
D	☉	☿	♊	♋	♌	♍	aft. ☉	South	& sets	
1							0' 12"	4 m 48	1 m 40	I hope the time are now drawing on when <i>England</i> shall take full satisfaction for all the injuries she has received from the scheme and practices of her implacable enemies <i>Holland</i> take heed to yourselves, lest you make a covenant that shall be a snare unto you.
G							0 31	10 39	2 56	
3	♌		*	*			0 50	11 26	4 24	
4	16						1 9	0 a 10	sets	
5		♌		☐	*	♌	1 29	0 54	6 a 38	
6							1 48	1 37	6 52	
7			♌				2 8	2 20	7 6	
8	*			Δ	☐		2 28	3 5	7 25	
G							2 49	3 51	7 49	
10	*			Δ			3 9	4 40	8 19	
11	☐				*		3 30	5 30	8 58	3 Cromwell died 1658 5 Bp. Bonner di. 1569 8 George III. and Char. wedded 1760 11 William the Conqueror died 1087 16 Geo. I. landed 1714 21 Edward II. murdered 1327 29 Richard II. deposed 1399
12		☐	*				3 51	6 21	9 49	
13				8			4 12	7 13	10 53	
14	Δ				☐		4 33	8 5	morn.	
15		Δ	☐		8		4 54	8 55	0 5	
G					Δ		5 15	9 45	1 23	
17			Δ				5 36	10 33	2 44	
18				Δ			5 57	11 22	4 6	
19	8 8						6 18	morn.	rises	
20	4			☐	Δ	8	6 39	0 11	6 a 2	
21			8				7 0	1 2	6 24	
22			*	☐			7 41	1 57	6 46	
G	Δ	Δ					7 42	2 54	7 22	
24				*			8 3	3 55	8 7	
25	☐				Δ		8 23	4 57	9 7	
26		☐	Δ				8 43	5 59	10 19	
27			♌		☐		9 3	6 58	11 37	
28	*	*	☐				9 23	7 53	morn.	
29				♌	*		9 43	8 44	0 59	
G		*					10 2	9 31	2 18	

By Nuts, Oil, Eels, and cold in Head,
 By Apples and raw Fruits is Hoarseness bred;
 And for the Health, Cheefe may wholesome be,
 But for the weak it is not so we see.

M	D	h	m	24	D
				h	m
1	7	8			
6	7	9			
11	8	10			
16	9	11			
21	9	12			
26	10	13			

M	W	Sundays and	☉ long	☽ long	♂	♀	☿	Aspects and
D	D	Remarks Days.	°	°	☾	☿	☿	Weather.
1	M	Remigius	8 ^h 5	12 ^m 22	22	22	20	Brisk winds
2	Tu		9	4 ^m 43	22	23	19	with some
3	W	Sun rises 6 18	10	3 ^m 13	23	24	18	showers.
4	T		11	2 ^m 33	23	25	17	
5	F		12	1 ^m 44	24	26	16	
6	S	Faith	13	1 ^m 45	24	27	15	
7	G	19 S. aft. Trin.	14	0 ^m 25	25	28	14	☉ ☿
8	M	Sun sets 4 32	14	59 ^m 7	26	29	13	Foggy mist or
9	T	Denys	15	59 ^m 19	26	30	12	small rain.
10	W	Ox. & Cam. T. b.	16	58 ^m 1	27	1	11	
11	T	O. Mich. Day	17	57 ^m 13	27	2	10	
12	F		18	57 ^m 25	28	3	9	
13	S	Transf. Ed. Conf.	19	56 ^m 7	28	4	8	☉ ☿
14	G	20 S. aft. Trin.	20	56 ^m 20	29	5	8	Some cold rain
15	M	Sun rises 6 42	21	55 ^m 4	29	6	8	near this time.
16	Tu		22	55 ^m 18	30	7	D	
17	W	Etheldreda	23	55 ^m 2	0	8	8	
18	T	St. Luke	24	54 ^m 17	1	9	8	
19	F		25	54 ^m 28	1	10	8	The weather
20	S	Sun sets 5 9	26	54 ^m 17	2	11	9	☉ ☿
21	G	21 S. aft. Trin.	27	53 ^m 2	2	12	10	is now more
22	M		28	53 ^m 17	3	13	11	* ☿
23	T	Sun rises 6 57	29	53 ^m 1	3	14	12	pleasant.
24	W		om 53	15 ^m 56	3	15	13	
25	T	K. Geo. 3. acc.	Crisp.	29	42	4	16	14
26	F	K. Geo. 3. proc.	2	53 ^m 13	6	4	17	15
27	S		3	53 ^m 26	11	5	18	15
28	G	22 S. af. Tr. St.	4	53 ^m 9	0	5	19	18
29	M	[Sim. & Jude	5	53 ^m 21	35	6	20	19
30	Tu		6	53 ^m 4	0	6	21	21
31	W	Sun sets 4 48	7	53 ^m 16	16	7	22	22

28 November hath XXX Days.

The Time, like Charity, is waxing cold,
 Good Deeds are rare, we seldom them behold:
 For the World's vain, and many prodigal,
 Who spend their Means in Ways fantastical.

M	h	4	v
1	11	15	0
6	11	16	29
11	12	17	29
16	12	18	29
21	13	19	29
26	13	20	28

M	W	Sundays and	☉ long	☽ long	♂	♀	☿	Aspects and
D	D	Remark. Days.	°	°	Ω	☿	☿	Weather.
1	T	All Saints	8 m 53	28 24	7	23	24	Cold, with
2	F	D. of Kent b.	All So.	10 m 25		25	25	leet or cold
3	S	Prs. Sophia b.	10 53	22 21	8	26	27	rains.
4	G	23 S. af. T. K. Wm. land.	4 13	8 27	29			
5	M	Powder Plot	12 54	16 2	9	28	m	
6	Tu	Leonard. Mic.	13 54	27 50	9	29	2	
7	W	[T. begins	14 55	9 42	10	29	3	Rather frosty
8	T	Prs. Aug. Sop. b.	15 55	21 41	10	1	5	☉ ☽
9	F	Ld. Mayor's D.	16 55	3 52	10	2	7	near this time
10	S	Sun rises 7 29	17 56	16 19	11	3	8	
11	G	24 S. af. Trin.	Mart. n.	29 9	11	5	10	
12	M	Cam. T. d. m.	19 57	2 25	11	6	11	☐ ♂ ♀
13	Tu	Britius	20 57	26 10	12	7	13	Cold winds
14	W	Sun sets 4 24	21 58	10 26	12	8	15	begin to blow.
15	T	Machutus	22 58	25 10	12	9	16	
16	F		23 59	10 8	13	10	18	☉ ☽ ♀
17	S	Hugh Bp. Lin.	24 59	25 34	13	11	20	Rain or snow
18	G	25 S. af. Trin.	26 0	10 54	13	13	21	* 1/2 ♂; ☉ 1/2 ♀
19	M	Sun rises 7 43	27 0	26 3	14	14	23	* ♂ ♀
20	Tu	Edmund	28 1	10 53	14	15	24	about this
21	W	Sun sets 4 14	29 2	25 18	14	16	26	time.
22	T	Cecilia	0 1	2 9	15	17	27	
23	F	Clement. Old	1 3	22 46	15	18	29	
24	S	[Mart.	2 4	5 53	15	20	1	Rather frosty
25	G	26. S. af. T. D. Glo. b.	18 39	16 21	2	21	2	now about.
26	M	[Catherine	1 24	7 16	22	4		
27	Tu	Sun rises 7 53	5 6	13 23	16	23	5	☉ ☽
28	W	Mic. Term ends	6 7	25 29	16	24	7	
29	T	Sun sets 4 4	7 8	7 28	17	25	8	Wet at the end.
30	F	St. Andrew	8 9	19 22	17	27	10	

M	Jupiter.	Venus	Partridge. November 1804. 29
D	South	South	
1	0 a 24	9 m 12	New Moon 2d Day, at 11 Morning.
6	0 9	9 13	First Quarter 10th Day, at 3 Aftern.
11	11 m 52	9 13	Full Moon 17th Day, at 11 Morning.
16	11 36	9 14	Last Quarter 24th Day, at 4 Morning.
21	11 20	9 15	1st Day $\frac{1}{2}$ So. 10 m 6, $\frac{1}{2}$ 6 m 14, $\frac{3}{4}$ 11 m 5.
26	11 4	9 16	16th D. 9 22, 5 38, 11 36.

M	Lunar Aspects.						Clock	Moon	D rise	Observations.
D	☉	☿	♈	♀	♊		aft. ☉	South	& sets	
1	♈		☐				16 17	11 m 11	6 m 19	In <i>Spain</i> there will be tumults, broils, and a breach of treaties, by means of which nothing but confusion follows. The affairs of <i>Europe</i> seem to be in a ferment, and the tranquillity of the North to suffer some interruption. I hope <i>England</i> will be free.
2	23	♈					16 16	11 55	sets	
3				*			16 15	0 a 42	4 a 33	
G	*		Δ				16 14	1 31	5 9	
5							16 13	2 21	5 51	
6				☐	*		16 10	3 11	6 45	
7	*	☐	*				16 7	4 1	7 49	
8				Δ			16 2	4 50	9 0	
9		Δ		8			15 57	5 37	10 13	
10	☐		☐		☐		15 52	6 23	11 28	
G							15 45	7 9	morn.	I hope <i>England</i> will be free.
12	Δ		Δ		Δ		15 37	7 55	0 45	
13				8			15 29	8 42	2 4	
14		8		Δ			15 20	9 33	3 26	
15							15 10	10 27	4 52	
16	8		8	☐	8		14 59	11 27	6 21	
17	23						14 47	morn.	rises	
G		Δ	*	Δ			14 35	0 30	4 a 49	
19							14 21	1 36	5 55	
20			Δ		☐		14 7	2 41	7 12	
21	Δ				Δ		13 52	3 42	8 34	1 Lisbon destroy. 175
22	*	☐	♈	*			13 36	4 38	9 57	5 Powder Plot 160
23	☐				☐		13 20	5 29	11 16	11 Battle of Pref- ton 171
24			*				13 2	6 15	morn.	13 Danes Massac. 100
G							12 44	6 59	0 32	16 Hen. III. died 127
26	*			*			12 25	7 41	1 45	17 Queen Mary died 169
27		♈		*	♈		12 5	8 23	2 56	20 Queen Caroline died 173
28							11 45	9 5	4 7	22 Porto Bello taken 173
29			☐				11 23	9 48	5 17	28 Card. Wolsey died 153
30		♈					11 1	10 34	6 27	

30 December hath XXXI Days.

Reader, now, I pray thee, mind
Thy Body's Health, and thou shalt find
Much Ease in spending of thy Time,
And at the last in Glory shine.

M	h	u	D
D	u	m	8
1	14	21	25
6	14	22	28
11	14	23	28
16	15	25	27
21	15	26	27
26	15	27	27

M	W	Sundays and	long	long	♂	♀	♂	Aspects and
D	D	Remark. Days	°	°	Ω	♂	♀	Weather.
1	S	Sun rises 7 58	9	10	1	14	17	28
2	G	Adv. Sunday	10	11	13	4	17	29
3	M		11	12	24	55	17	m
4	Tu	Sun sets 4 0	12	13	6	48	18	1
5	W		13	14	18	45	18	3
6	T	Nicholas	14	15	0	50	18	4
7	F		15	16	13	5	18	5
8	S	Concep. of V.M.	16	17	25	34	18	6
9	G	2 S. in Advent	17	18	8	21	18	7
10	M		18	19	21	34	19	9
11	Tu	Sun rises 8 6	19	20	5	7	19	10
12	W		20	21	19	9	19	11
13	T	Lucy	21	22	3	8	19	12
14	F		22	23	18	31	19	13
15	S	Sun sets 3 53	23	24	3	40	19	15
16	G	3 S. in Advent	Cam.	T.e.	O Sa.	19	16	5
17	M	Oxford T. ends	25	26	4	6	19	17
18	Tu		26	27	19	4	19	18
19	W	Ember Week	27	29	3	Ω	41	19
20	T		28	30	17	51	19	21
21	F	St. Thos. Short-	29	31	1	34	19	22
22	S	[est Day]	30	32	14	5	19	23
23	G	4 S. in Advent	1	33	27	41	19	24
24	M	Sun rises 8 8	2	34	10	11	19	26
25	Tu	Christmas Day	3	36	22	26	19	27
26	W	St. Stephen	4	37	4	m	29	19
27	T	St. John, Ev.	5	38	16	23	9	29
28	F	Innocents	6	39	28	13	9	2
29	S	Sun sets 3 54	7	40	10	1	3	19
30	G	1 S. aft. Christ.	8	42	21	55	18	3
31	M	Silvester	9	43	3	50	18	4

* h ♀
Cold winds
with sleet or
Δ ♂ ♀
* ♂ h
snow.
Δ ♂ ♂
More fine for
the season.
□ ♂ ♀
Rather frosty,
□ ♂ ♀
if not snow.
□ h ♀
Cold winds,
♂ u ♀
with frosts,
even to the
end.
* u ♀

M	Jupiter	Venus	Partridge. December, 1804. 31		
D	South	South			
1	om 46	9m 17	New Moon 2d Day, at 6 Morning.		
6	10 28	9 18	First Quarter 10th Day, at 6 Morning.		
11	10 11	9 19	Full Moon 16th Day, at 9 Night.		
16	9 53	9 21	Last Quarter 23d Day, at 8 Night.		
21	9 35	9 23	1st Day h So. 8 m 25, δ 4 m 53, ♀ 0 a 10.		
26	9 18	9 26	16th Day 7 23, 3 55, 0 47.		

M	Lunar Aspects.						Clock	Moon	D	rises		Observations.
D	☉	☿	♊	♋	♌	♍	aft. ☉	South	&	fets		
1	δ					δ	10 39	11m 22	7m 35			Some eminent person, either a Lawyer or Divine, near preferment; and probably much news from <i>France</i> about this time. I hope God will prosper the King of <i>Great-Britain</i> in all his affairs and designs, now and ever. <i>Amen.</i>
G 18	*		Δ				10 16	0 a 11	fets			
3					*		9 52	1 14	a 34			
4	□						9 27	1 51	5 36			
5		*					9 22	40	6 42			
6				□			8 37	3 27	7 53			
7	*	Δ	□	8		*	8 11	4 12	9 6			
8					Δ		7 44	4 56	10 21			
G 10	□		Δ			□	7 17	5 40	11 37			
11	8						6 50	6 25	morn.			
12	Δ			Δ		Δ	5 54	8 22	14			1 Henry I. died 1135 2 Mariners comp. invented 1300 4 One hundred and thirty sail of Dutch ships taken 1664 12 Cromwell made Protector 1653 29 T. Becket murdered at Canterbury 1171 30 Royal Society of London instituted 1660
13				8			5 26	8 57	3 38			
14		8	□				4 57	9 56	5 7			
15	Δ						4 28	11 16	32			
G 17	8		*				3 59	morn.	rises			
18	9	□		Δ	8		3 30	0 7	4 a 29			
19	*		Δ				3 01	10 5	55			
20	Δ		□	δ	□		2 30	2 12	7 19			
21							2 03	6 8	42			
22		*		*	Δ		1 31	3 56	10 2			
G 24	□						1 14	43	11 19			
25	δ		*		□		0 30	5 26	morn.			
26	*						0 06	8 0	32			
27		δ	□	*			0b.30	6 50	1 44			
28					δ		1 07	33	2 55			
29	*		Δ				1 29	8 18	4 5			
G 31	δ	□					1 59	9 55	13			
							2 29	9 54	6 17			
							2 58	10 44	7 11			
							3 27	11 34	7 52			

A Compendious Chronology of the most principal Epochas and Æras, with their Beginnings, reduced and fixed to the Years of the Julian Period, the Creation of the World, and to the Years before and after Christ.

	Julian Period	Anno Mundi	Ante Christ
T HE Creation of the World after the Jews	952	1	3760
The Common Epocha of the Creation	765	1	3950
The same by the Greek Emperors	787	1	3926
The same in Mr. Bedford's Scripture Chronology	706	1	4007
The same in Bishop Usher's Annals	710	1	4004
The Deluge, or Noah's Flood	2362	1657	2351
Porphyrius's Caldaic Epocha	2480	1717	2200
The Assyrian Monarchy by Nimrod	2665	1960	2048
The Birth of Abraham	2714	2009	1999
Joseph sold into Egypt	2986	2281	1728
The Israelites 400 Years Servitude in Egypt	2819	2114	1894
The Kingdom of Argos founded by Inachus	2857	2152	1856
The Birth of Moses	3143	2438	1571
The Kingd. of Athens founded by Cecrops	3157	2452	1556
The Israelites Departure out of Egypt	3219	2514	1494
Their Entrance into Canaan, or the Jubilee	3258	2553	1459
The Destruction of Troy	3530	2825	1483
The first Sabbatical Year	3260	2557	1451
The Jewish High Priesthood	3300	2603	1405
The Reign of King David	3646	2941	1067
The Foundation of Solomon's Temple	3698	2993	1015
The Varronian Epocha	3960	3197	811
The Catonian Epocha	3961	3198	810
The Epocha of Nabonassar	3966	3261	747
The Olympiads	3938	3233	775
The Building of Rome	3962	3257	751
The Destruction of the Kingd. of Israel	3992	3287	721
The Beginning of Nebuchadonosor	4105	3300	708
The Babylonish Captivity	4108	3302	706
The Destruction of Solomon's Temple	4126	3421	587

	Julian Period	Anno Mund	Anno Christ
Daniel delivered from the Den of Lions	4176	3470	538
The Temple of Jerusalem rebuilt, -	4198	3488	520
Cyrus the Founder of the Persian Monarchy	4178	3472	536
The Regifugium Epocha - - - -	4205	3500	508
The Battle at Marathon - - - -	4223	3517	491
Xerxes's Defeat at the Battle of Salamis	4234	3528	480
The Beginning of the Peloponnesian War	4281	3575	433
Meto the Athenian began his Circle -	4282	3576	432
Daniel's 70 Weeks of Years began -	4269	3564	444
The Beginning of the Callippick Period	4383	3677	331
The Death of Alexander - - - -	4390	3684	324
The Grecian Epocha of the Seleucidæ	4402	3695	312
The Era of the Asmoneans or Maccabees	4548	3841	166
The Epocha of Simon - - - -	4570	3865	143
The Julian Epocha, or Correct Calend.	4669	3962	46
The Beginning of the Reign of Herod	4677	3970	37
The Spanish Era - - - -	4676	3969	36
The Battle of Actium - - - -	4683	3976	31
The taking of Alexandria - - - -	4684	3977	30
The Epocha of the Title of Augustus -	4687	3980	27
The true Birth of CHRIST - -	4710	4005	4
The Vulgar or Dionysian Years of Christ	4714	4009	Anno Christ
The Passion or Death of Christ - -	4746	4041	33
The Destruction of Jerusalem - -	4783	4078	70
The Dioclesian or Era of Martyrs -	4997	4292	284
The Dioclesian Persecution - - -	5015	4310	302
The Epocha of Constantine the Great	5019	4314	306
The Council of Nice - - - -	5038	4333	325
The Encænna of Constantinople - -	5043	4338	330
Phocas makes Pope Boniface Head of the Church - - - -	5319	4614	606
Mahomet broaches his Imposture at Mecca	5321	4616	608
The Epocha of the Hegira - - -	5335	4630	622
The Epocha of Yefdejerd - - - -	5345	4640	632
The Jellalæan or Gelælæan Epocha -	5792	5087	1079
The Epocha of the Reformation - -	6230	5525	1517
The Revolution effected by King William	6401	5696	1688
The British Epocha, or correct Kalendar	6465	5760	1752

A TABLE of HOUSES for the Latitude of 51 Degrees 32 Minutes, according to the Doctrine of *Ptolemy*, serving the City of *London*, &c.

☉ in ♈										☉ in ♉									
Time from noon.		11	11	12	Ascen		1	2	3	Time from noon		10	11	12	Ascen		1	2	3
		☿	♈	♏	☿		♏	♏	♏			♏	♏	♏	☿		♏	♏	♏
h	m	gr	gr	gr	gr	m	gr	gr	gr	h	m	gr	gr	gr	gr	m	gr	gr	gr
0	0	0	9	22	26	42	12	3		1	52	0	9	17	16	31	4	28	
0	4	1	10	23	27	22	13	3		1	55	1	10	18	17	11	5	29	
0	7	2	11	24	28	2	14	4		1	59	2	11	19	17	51	6	30	
0	11	3	12	25	28	42	15	5		2	3	3	12	19	18	31	7	1	
0	15	4	13	25	29	21	15	6		2	7	4	13	20	19	12	8	2	
0	18	5	14	26	0	11	16	7		2	11	5	14	21	19	52	9	3	
0	22	6	15	27	0	40	17	8		2	15	6	15	22	20	32	9	4	
0	26	7	16	28	1	20	18	8		2	19	7	16	22	21	13	10	5	
0	29	8	17	29	2	0	18	9		2	22	8	17	23	21	54	11	6	
0	33	9	18	30	2	39	19	10		2	26	9	18	24	22	35	11	7	
0	37	10	19	1	3	19	20	11		2	30	10	19	25	23	16	12	8	
0	40	11	20	1	3	19	20	12		2	34	11	20	25	23	57	13	9	
0	44	12	21	2	4	38	21	13		2	38	12	21	26	24	38	14	10	
0	48	13	22	3	5	17	22	14		2	42	13	22	27	25	19	14	11	
0	51	14	23	4	5	57	23	15		2	46	14	23	28	26	0	15	12	
0	55	15	24	5	6	36	23	15		2	50	15	24	29	26	42	16	12	
0	59	16	25	6	7	15	24	16		2	54	16	25	29	27	24	17	13	
1	3	17	26	6	7	55	25	17		2	58	17	26	30	28	6	18	14	
1	6	18	27	7	8	34	26	18		3	2	18	27	1	28	47	18	15	
1	10	19	28	8	9	14	26	19		3	6	19	28	2	29	30	19	16	
1	14	20	29	9	9	53	27	19		3	10	20	29	3	30	13	20	17	
1	18	21	30	10	10	33	28	20		3	14	21	29	3	0	55	21	18	
1	21	22	1	10	11	12	28	21		3	18	22	30	4	1	37	22	18	
1	25	23	2	11	11	52	29	22		3	22	23	1	5	2	20	22	19	
1	29	24	3	12	12	32	30	23		3	26	24	2	6	3	2	23	20	
1	33	25	4	13	13	12	1	24		3	31	25	3	7	3	46	24	21	
1	36	26	5	14	13	52	1	25		3	35	26	4	7	4	29	25	22	
1	40	27	6	14	14	32	2	25		3	39	27	5	8	5	12	26	23	
1	44	28	7	15	15	12	3	26		3	43	28	6	9	5	55	27	24	
1	48	29	8	16	15	51	4	27		3	47	29	7	10	6	39	27	25	
1	52	30	9	17	16	31	4	28		3	51	30	8	11	7	22	28	25	

TABLE OF HOUSES.

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A TABLE of HOUSES for the Latitude of 51 Degrees 32 Minutes, according to the Doctrine of *Ptolemy*, serving the City of *London*, &c.

☉ in ♀										☉ in ♂									
Time from noon.		10	11	12	Ascen		1	2	3	Time from noon.		10	11	12	Ascen		1	2	3
h	m	gr	gr	gr	gr	m	gr	gr	gr	h	m	gr	gr	gr	gr	m	gr	gr	gr
3	51	0	8	11	7	22	28	25	6	0	0	6	6	0	0	24	24	24	24
3	55	1	9	12	8	6	29	26	6	4	1	7	7	0	47	25	25	25	25
4	0	2	10	13	8	50	27	27	6	9	2	8	8	1	33	26	26	26	26
4	4	3	10	14	9	34	1	28	6	13	3	9	9	2	19	27	27	27	27
4	8	4	11	15	10	18	2	29	6	17	4	10	10	3	5	27	28	28	28
4	12	5	12	16	11	3	2	30	6	22	5	11	11	3	51	28	29	29	29
4	16	6	13	17	11	47	3	1	6	26	6	12	12	4	37	29	29	29	29
4	21	7	14	17	12	31	4	2	6	31	7	13	13	5	23	30	30	30	30
4	25	8	15	18	13	16	5	3	6	35	8	14	14	6	9	1	2	2	2
4	29	9	16	19	14	1	6	4	6	39	9	15	15	6	55	2	3	3	3
4	33	10	17	20	14	46	7	5	6	44	10	16	16	7	40	2	4	4	4
4	38	11	18	21	15	31	8	6	6	48	11	17	16	8	26	3	4	4	4
4	42	12	19	21	16	16	8	7	6	52	12	18	17	9	12	4	5	5	5
4	46	13	20	22	17	1	9	8	6	57	13	19	18	9	57	5	6	6	6
4	51	14	21	23	17	46	10	9	7	1	14	20	19	10	41	6	7	7	7
4	55	15	22	24	18	32	11	10	7	5	15	21	20	11	28	7	8	8	8
4	59	16	23	24	19	17	12	11	7	9	16	22	21	12	14	8	9	9	9
5	3	17	24	25	20	4	13	12	7	14	17	23	22	12	59	8	10	10	10
5	8	18	25	26	20	49	14	13	7	18	18	24	22	13	45	9	11	11	11
5	12	19	25	27	21	35	14	14	7	22	19	25	23	14	30	10	12	12	12
5	16	20	26	28	22	20	15	14	7	27	20	26	24	15	14	11	13	13	13
5	21	21	27	28	23	6	16	15	7	31	21	27	25	15	59	12	14	14	14
5	25	22	28	29	23	51	17	16	7	35	22	28	25	16	44	13	15	15	15
5	29	23	29	30	24	37	18	17	7	39	23	28	26	17	29	13	16	16	16
5	34	24	30	31	25	23	19	18	7	44	24	29	27	18	14	14	17	17	17
5	38	25	1	2	26	9	20	19	7	48	25	30	28	18	58	15	18	18	18
5	43	26	2	3	26	55	20	20	7	52	26	1	28	19	42	16	19	19	19
5	47	27	3	4	27	41	21	21	7	56	27	2	29	20	26	17	20	20	20
5	51	28	4	5	28	27	22	22	8	0	28	3	30	21	10	18	20	20	20
5	56	29	5	5	29	13	23	23	8	5	29	4	1	21	54	18	21	21	21
6	0	30	6	6	30	0	24	24	8	9	30	5	2	22	38	19	22	22	22

A TABLE of HOUSES for the Latitude of 51 Degrees 32 Minutes, according to the Doctrine of *Ptolomy*, serving the City of *London*, &c.

☉ in ♈										☉ in ♉												
Time from noon		10	11	12	Ascen			1	2	3	Time from noon		10	11	12	Ascen			1	2	3	
h m		gr	gr	gr	gr	m	gr	gr	h m		h m		gr	gr	gr	gr	m	gr	gr	h m		
8	9	0	5	2	22	38	19	22	10	8	0	2	26	13	30	13	20					
8	13	1	5	3	23	22	20	23	10	12	1	3	26	14	9	14	21					
8	17	2	6	3	24	5	21	24	10	16	2	4	27	14	49	15	22					
8	21	3	7	4	24	48	22	25	10	20	3	5	28	15	29	16	23					
8	25	4	8	5	25	32	23	26	10	24	4	5	29	16	9	16	24					
8	29	5	9	6	26	15	23	27	10	27	5	6	29	16	48	17	25					
8	34	6	10	7	26	58	24	28	10	31	6	7	30	17	28	18	26					
8	38	7	11	8	27	41	25	29	10	35	7	8	1	18	6	19	27					
8	42	8	12	8	28	23	26	30	10	39	8	9	2	18	48	20	28					
8	46	9	13	9	29	6	27	1	10	42	9	10	2	19	27	20	29					
8	50	10	14	10	29	48	27	2	10	46	10	11	3	20	6	21	30					
8	54	11	15	11	om	30	28	3	10	50	11	11	4	20	48	22	1					
8	58	12	16	12	1	13	29	4	10	54	12	12	4	21	26	23	2					
9	2	13	17	12	1	55	4	5	10	57	13	13	5	22	5	24	3					
9	6	14	18	13	2	36	1	6	11	1	14	14	6	22	45	24	4					
9	10	15	18	14	3	18	2	7	11	5	15	15	7	23	24	25	5					
9	14	16	19	15	4	0	3	8	11	9	16	16	7	24	4	26	6					
9	18	17	20	16	4	41	3	9	11	12	17	17	8	24	43	27	7					
9	22	18	21	16	5	22	4	10	11	16	18	17	9	25	23	28	8					
9	26	19	22	17	6	4	5	11	11	20	19	18	10	26	3	29	10					
9	30	20	23	18	6	45	5	12	11	23	20	19	10	26	42	30	11					
9	34	21	24	19	7	26	6	13	11	27	21	20	11	27	22	0	12					
9	38	22	25	19	8	6	7	14	11	31	22	21	12	28	1	1	13					
9	41	23	26	20	8	47	8	15	11	34	23	22	13	28	40	2	14					
9	45	24	27	21	9	28	9	16	11	38	24	23	13	29	20	3	15					
9	49	25	28	22	10	8	9	17	11	42	25	23	14	29	59	4	16					
9	53	26	28	23	10	48	10	18	11	45	26	24	15	0	4	5	17					
9	57	27	29	23	11	29	11	19	11	49	27	25	15	1	19	5	18					
10	1	28	29	24	12	9	12	20	11	53	28	26	16	1	59	6	19					
10	5	29	1	25	12	50	12	21	11	56	29	26	17	2	39	7	20					
10	8	30	2	26	13	30	13	22	12	0	30	27	17	3	19	8	21					

TABLE OF HOUSES.

3

A TABLE of HOUSES for the Latitude of 51 Degree 32 Minutes, according to the Doctrine of *Ptolemy* serving the City of *London*, &c.

☉ in ♈								☉ in ♎							
Time	from	10	11	12	1	2	3	Time	from	10	11	12	1	2	3
noon.	☉	☉	☉	☉	☉	☉	☉	noon.	☉	☉	☉	☉	☉	☉	☉
h	m	gr	gr	gr	gr	m	gr	h	m	gr	gr	gr	gr	m	gr
12	0	0	27	17	3	19	8	21	13	52	0	27	10	25	15
12	4	1	28	18	3	59	9	22	13	55	1	23	11	26	5
12	7	2	29	19	4	39	10	24	13	59	2	24	11	26	56
12	11	3	☿	20	5	20	11	25	14	3	3	25	12	27	47
12	15	4	1	20	6	2	11	26	14	7	4	25	13	28	3
12	18	5	1	21	6	43	12	27	14	11	5	26	14	29	31
12	22	6	2	22	7	24	13	28	14	15	6	27	15	0	24
12	26	7	3	23	8	5	14	29	14	19	7	28	15	1	18
12	29	8	4	23	8	46	15	☿	14	22	8	29	16	2	13
12	33	9	5	24	9	28	16	2	14	26	9	☿	17	3	10
12	37	10	6	25	10	10	17	3	14	30	10	1	18	4	6
12	40	11	6	25	10	52	19	4	14	34	11	2	19	5	3
12	44	12	7	26	11	35	20	5	14	38	12	2	20	6	1
12	48	13	8	27	12	17	21	6	14	42	13	3	20	7	0
12	51	14	9	28	12	59	22	7	14	46	14	4	21	8	0
12	55	15	10	28	13	42	23	9	14	50	15	5	22	9	2
12	59	16	11	29	14	26	24	10	14	54	16	6	23	10	6
13	3	17	12	☿	15	10	25	11	14	58	17	7	24	11	9
13	6	18	12	1	15	54	26	12	15	2	18	8	25	12	14
13	10	19	13	1	16	39	27	13	15	6	19	9	26	13	21
13	14	20	14	2	17	23	28	15	15	10	20	9	27	14	29
13	18	21	15	3	18	8	29	16	15	14	21	10	27	15	37
13	21	22	16	4	18	54	☿	17	15	18	22	11	28	16	46
13	25	23	16	4	19	39	1	18	15	22	23	12	29	17	58
13	29	24	17	5	20	26	2	20	15	26	24	13	☿	19	11
13	33	25	18	6	21	14	4	21	15	31	25	14	1	20	27
13	36	26	19	7	22	1	5	22	15	35	26	15	2	21	43
13	40	27	20	7	22	49	6	23	15	39	27	16	3	23	3
13	44	28	21	8	23	37	7	24	15	43	28	17	4	24	24
13	48	29	21	9	24	26	8	25	15	47	29	18	5	25	47
13	52	30	22	10	25	15	10	27	15	51	30	18	6	27	10

A TABLE of HOUSES for the Latitude of 51 Degrees 32 Minutes, according to the Doctrine of *Ptolemy*, serving the City of *London*, &c.

☉ in ♄									☉ in ♅										
Time from noon.	10	11	12	Ascen			1	2	3	Time from noon.	10	11	12	Ascen			1	2	3
	♄	♄	♅	♅	♅	♅	♅	♅	♅		♅	♅	♄	♄	♄	♄	♄	♄	♄
h	m	gr	gr	gr	gr	m	gr	gr	gr	h	m	gr	gr	gr	gr	m	gr	gr	gr
15	51	0	18	6	27	10	26	6		18	0	0	18	13	0	0	17	1	
15	55	1	19	7	28	37	28	7		18	4	1	20	14	2	37	19	12	
16	0	2	20	8	0	6	9			18	9	2	21	16	5	19	20	13	
16	4	3	21	9	1	38	1	10		18	13	3	22	17	7	58	22	14	
16	8	4	22	10	3	12	3	11		18	17	4	23	19	10	31	23	15	
16	12	5	23	11	4	48	5	12		18	22	5	24	20	13	7	25	10	
16	16	6	24	12	6	27	7	14		18	26	6	25	22	15	37	26	17	
16	21	7	25	13	8	8	9	15		18	30	7	26	23	18	7	28	18	
16	25	8	26	14	9	52	11	16		18	35	8	27	25	20	35	29	19	
16	29	9	27	16	11	40	12	17		18	39	9	29	27	23	0	11	20	
16	33	10	28	17	13	30	14	18		18	44	10	30	28	25	22	1	21	
16	38	11	29	18	15	27	16	20		18	48	11	1	31	27	43	2	23	
16	42	12	30	19	17	16	18	21		18	52	12	2	2	0	8	0	4	24
16	46	13	1	20	19	15	20	22		18	57	13	3	3	2	16	5	25	
16	51	14	2	21	21	17	21	23		19	1	14	4	5	4	27	6	26	
16	55	15	3	22	23	23	23	25		19	5	15	6	7	6	33	8	27	
16	59	16	4	24	25	32	25	26		19	9	16	7	9	8	39	9	28	
17	4	17	5	25	27	44	27	27		19	14	17	8	10	10	43	10	29	
17	8	18	6	26	29	58	28	28		19	18	18	9	12	12	42	11	30	
17	12	19	7	27	31	17	8	29		19	22	19	10	14	14	40	12	1	
17	16	20	8	29	4	38	2	11		19	27	20	12	16	16	31	13	2	
17	20	21	9	30	7	0	3	1		19	31	21	13	18	18	20	15	3	
17	25	22	10	1	9	24	5	2		19	35	22	14	19	20	5	16	4	
17	30	23	11	3	11	53	7	3		19	39	23	15	21	21	52	17	5	
17	34	24	12	4	14	23	8	5		19	44	24	16	23	23	33	18	6	
17	38	25	13	5	16	55	10	6		19	48	25	18	25	25	13	19	7	
17	43	26	14	7	19	29	11	7		19	52	26	19	27	26	49	20	8	
17	47	27	15	8	22	5	13	8		19	56	27	20	28	28	22	21	9	
17	51	28	16	11	24	42	14	9		20	0	28	21	30	29	53	22	10	
17	56	29	17	12	27	20	16	10		20	5	29	23	1	11	23	23	11	
18	0	30	18	14	30	0	17	11		20	9	30	24	2	2	51	24	12	

A TABLE of HOUSES for the Latitude of 51 Degrees 32 Minutes, according to the Doctrine of *Ptolemy*, serving the City of *London*, &c.

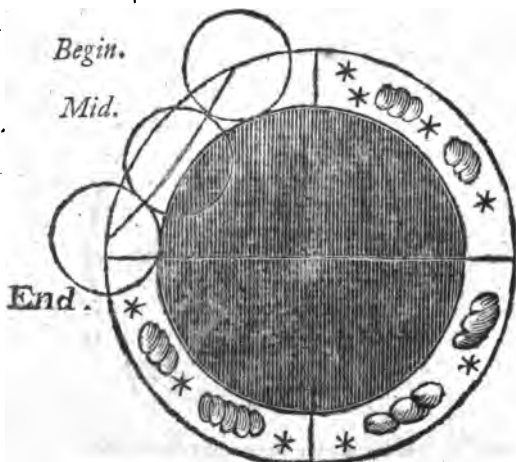
☉ in ♈										☉ in ♉									
Time from noon.		10	11	12	Ascen		1	2	3	Time from noon.		10	11	12	Ascen		1	2	3
h	m	gr	gr	gr	gr	m	gr	gr	gr	h	m	gr	gr	gr	gr	m	gr	gr	gr
20	9	0	24	4	2	51	24	12		22	8	0	3	20	4	45	20	8	
20	13	1	25	6	4	14	25	12		22	12	1	4	21	5	35	21	8	
20	17	2	27	7	5	37	26	13		22	16	2	6	23	6	23	22	9	
20	21	3	28	9	6	58	27	14		22	20	3	7	24	7	12	23	10	
20	25	4	29	11	8	17	28	15		22	24	4	8	25	8	0	23	11	
20	29	5	31	13	9	33	29	16		22	27	5	9	26	8	48	24	12	
20	34	6	2	14	10	49	30	17		22	31	6	10	28	9	35	25	13	
20	38	7	3	16	12	3	1	18		22	35	7	12	29	10	22	26	14	
20	42	8	4	18	13	14	2	19		22	39	8	13	31	11	7	26	14	
20	46	9	6	19	14	24	3	20		22	42	9	14	1	11	52	27	15	
20	50	10	7	21	15	32	3	21		22	46	10	15	2	12	37	28	16	
20	54	11	8	23	16	40	4	21		22	50	11	17	3	13	22	29	17	
20	58	12	9	24	17	46	5	22		22	54	12	18	4	14	7	29	18	
21	2	13	11	26	18	51	6	23		22	57	13	19	5	14	52	30	19	
21	6	14	12	28	19	55	7	24		23	1	14	20	6	15	33	1	19	
21	10	15	13	29	20	58	8	25		23	5	15	21	7	16	17	2	20	
21	14	16	15	3	22	0	9	26		23	9	16	23	8	17	1	2	21	
21	18	17	16	2	23	0	10	27		23	12	17	24	9	17	44	3	22	
21	22	18	17	4	23	59	10	28		23	15	18	25	10	18	26	4	23	
21	26	19	19	5	24	58	11	28		23	20	19	26	11	19	9	5	24	
21	30	20	20	7	25	55	12	29		23	23	20	27	12	19	52	5	24	
21	34	21	22	8	26	51	13	30		23	27	21	29	13	20	33	6	25	
21	38	22	23	10	27	47	14	1		23	31	22	8	14	21	14	7	26	
21	41	23	24	11	28	42	15	2		23	34	23	1	15	21	56	7	27	
21	45	24	25	13	29	36	15	3		23	38	24	2	16	22	37	8	28	
21	49	25	26	14	30	29	16	4		23	42	25	3	17	23	18	9	28	
21	53	26	27	15	1	22	17	4		23	45	26	4	18	23	59	9	29	
21	57	27	29	16	2	14	18	5		23	49	27	5	19	24	39	10	30	
22	1	28	30	18	3	4	19	6		23	53	28	7	20	25	21	11	1	
22	5	29	2	19	3	55	19	7		23	56	29	8	21	26	2	12	2	
22	8	30	3	20	4	45	20	8		24	0	30	9	22	26	42	12	3	

Of the ECLIPSES that will happen this Year, 1804.

WITHIN the limits of this Year there will be Four Eclipses, viz. Two of the *Sun*, and as many of the *Moon*.

The first is a partial and visible Eclipse of the *Moon*, if clouds cover not; and happens on *Thursday* night, the 26th of *January*. At the middle time of this Eclipse the *Moon* will be vertical in 19 deg. 32 min. of North Latitude, and 43 deg. 26 min. of East Longitude from *London*, which falls on the eastern coast of the *Red Sea*, on the borders of *Arabia*. From which it appears, that this Eclipse will be visible from the beginning to the end, to all *Europe* and *Africa*, and islands adjacent; and also to the greatest part of *Asia*. The *Moon* will rise eclipsed to some of the West India Islands. In this Kingdom, the time, and manner of appearance, may be expected according to the following Type and Calculation:

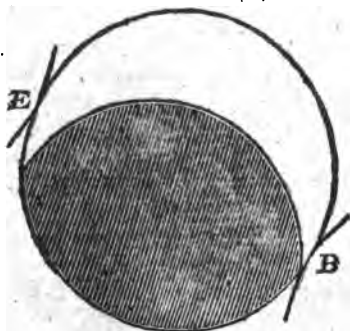
The Type for LONDON.



The Eclipse begins at *London*, at 58 min. past 7 at night; the middle will be at 7 min. past 9; when the digits eclipsed will be $4^{\circ}.44'$. as the Type sheweth; and the Eclipse will end at 17 min. past 10 o'clock, app. time. At *York* it will be 4 min. and at *Edinburgh* 13 min. sooner. At *Lincoln* it will be 2 min. and at *Nottingham* 4 minutes sooner.

The second of these Eclipses is of the *Sun*, and is rather a notable one; it will happen on *Saturday*, the 11th of *February*, in the morning, and visible to us, if the air proves favourable. In the southern parts of *Europe*, and in the northern parts of *Africa*, this will be a very great Eclipse, in so much, that in 36 deg. North Latitude, and 6 deg. East Longitude from *London*, the *Sun* will be centrally eclipsed at noon day, and nearly, if not quite total. It will be a great Eclipse in *Poland*, in *France*, in *Spain*, and *Portugal*, at *Gibraltar*, and in the Mediterranean Sea. In the southern parts of *England*, the *Sun* will appear about three quarters eclipsed; but, in more northern situations, it will be somewhat less. The following Type is the appearance at the greatest obscuration at *London*, and may very well serve most of the Kingdom—under which is given the time of it, for *London*, *York*, and *Edinburgh*, from a geometrical construction.

The Appearance of the SUN at the Middle of the Eclipse.



Note. B, the Beginning; E, the End.

February 11th. 1804.	London.	York.	Edinb.	Morn. App. Time.
	h. m.	h. m.	h. m.	
Beginning - -	10 21	10 19	10 11	
Middle - - -	11 39	11 36	11 25	
End - - - -	12 57	12 51	12 39	
Digits eclipsed	8 36	8 16	7 52	

The third is another partial Eclipse of the *Moon*, and happens on *Sunday*, the 22d of *July*; but it will be invisible to us. According to the time at *London*, it begins at 52 min. past 3 o'clock in the afternoon; and it will be quite over at 10 min. past 7; which will be 44 min. before the *Moon* can rise. The Digits eclipsed at the middle will be near 11, on the *Moon's* upper limb. It will be visible in *New Zealand*, *New Holland*, *Van Dieman's Land*, and to most of the little islands scattered and dispersed in the Great South Sea. It will be seen in the eastern parts of *Africa*, and as far North as the *Red Sea*, *Arabia*, and *Persia*; in the eastern parts of *Europe*, even to the *Caspian Sea*, *Astracan*, and *Siberia*; also as far as *Russia*, where the *Moon* will be seen to rise eclipsed.

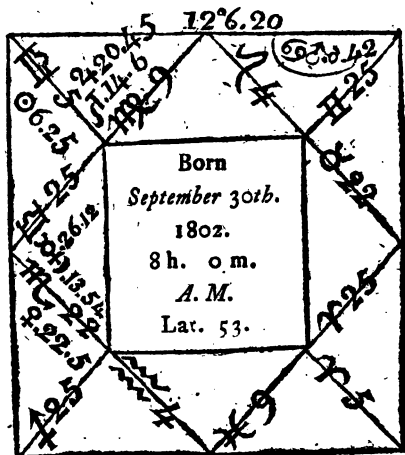
The fourth and last of these Eclipses is of the *Sun*, and falls on *Sunday*, the 5th of *August*, at about 4 o'clock in the afternoon; for the *Moon*, at this time having great South Latitude, which her parallax will also increase, makes it so, that the Eclipse cannot be seen in any part of these Kingdoms; but in the southern parts of the Globe, where the *Moon's* parallax diminisheth her latitude, it will be visible; even so much, that in Latitude 38 deg. South, and 66 deg. of West Longitude from *London*, the *Sun* will be centrally eclipsed at mid-day, and nearly total; this place falls in *South America*. Therefore, in those parts, it will be a very great Eclipse.

GENETHLIACAL ASTROLOGY.

THE Nativity of an Infant that was drowned at seven months old, investigated by my ingenious friend Mr.

JOHN WORSDALE, of *Donington Northorpe, near Boston, Lincolnshire*, and communicated to me.

The HOROSCOPE at BIRTH.



This Nativity I have here given for the examination of the curious, it being (beyond all dispute) a most remarkable constitution for violence, and such as manifestly forebodes a violent death, which may be clearly observed by those who think proper to pay strict attention to the rules laid down by the great PTOLEMY, relative to that important subject; though I am concerned to say, many are yet guided by those absurd whims yet in fashion, delivered by some Authors of antiquity diametrically opposite to the Quadripartite. Those Writers, I say, frequently select *Ascendant* for Hyleg, even if the Luminaries are found in the proper apothetical places, and by altering that nimble mathematical spot, they can presently find out the time and quality of Death; but this seldom happens with those who adhere to these principles, till the whole business is finished, and Death has taken possession; indeed, the baneful rays of γ or δ , will, according to their

doctrine, perform wonders, particularly if those Planets have great dignities in the 8th House, which is the House of Death; but this is not all, the Dragon's Head and Tail will sometimes kill by their method and way of practice, which seems not a little astonishing to me, and at other times the hostile rays of ♀ and ♂ together will not be able to do the business; thus being foiled out of measure by a multiplicity of errors, they fail of success; therefore we may readily judge of the utility of such an improbable doctrine. Now, in making a few observations on the foregoing Figure, respecting Death and its quality, I shall strictly adhere to PROLEMY's Precepts without the least evasion; and first then, I take it for granted, that the Moon is the true Hyleg in this Figure, being constituted to that office by her being in that part of the Ascendant that is prorogatory, or within the compass of her double Horary Times, according to the meaning of Ptolemy, in which position we find her greatly afflicted in a violent watery Sign, by the Zodiacal parallel of ♄, who is also posited in a Sign of the watery triplicity. The Moon is in * with ♄, but as this * is in Signs of long ascension, it is reputed a □ by Ptolemy, in page 146 of his Quadripartite, and doth naturally indicate violence; he also selects the Signs which forbode Death by drowning; his words are these, " ♄ being joined to them (viz. ♄ and " ♄) Death will occur by Poison and Treachery of Women; in ♒ or ♒, or in moist Signs configurated to the " Moon, he will cause Death by Water, being suffocated " and drowned. He also says further, if ♄ give testimony to ♄, Death will ensue by Women, &c." There are many other violent configurations in the Figure, particularly the ☉ in malevolent □ to ♄, from cardinal Signs, &c. Thus we find the ☽ Hyleg, and the rulers of Death posited in the watry triplicity, and in those correct Signs selected by the great Ptolemy, which are indicative of drowning, and which really happened so fatal in the present instance. In the next place, I shall state the time of a person's Birth that is now living, viz. March 10, 1783. 10h. om. A. M. Latitude 53°. 2'. N. The ☉ in this figure is Hyleg, and must be directed for Death without question. I well remember it was expected by some,

that the ☉ to the ☐'s of ♀ and ♂ in the Zodiac, &c. would shew their effects in a very dangerous way. I acknowledge those directions to the ☉ were productive of a violent Illness, which put Life in danger for a time, but had not power to destroy Life according to *Ptolemy's* Doctrine. As to the Figure itself, I see nothing of *beneficent consequence* likely to result from the nature of some impending directions, but danger and disappointments. I conceive the effects of the Ascendant to the 8 of ♀ and ♂ are not very far distant; but as this is only the estimate time, and *not corrected*, I would not place any particular degree of confidence in the time of Birth, it being a subject I may (God willing,) take into consideration at some future time.—N. B. No Letters will be received.

Astrological Observations for the Year 1804.

THE WINTER QUARTER,

Or, The Sun's Transit through ♊, ♋, and ♌.

THIS Quarter begins on *Thursday, December* the 21d, 1803, at 36 min. past 5 in the Evening, at which time, 22 deg. of ♊ ascends, and 23 deg. of ♌ are on the Mid-heaven. The ☐ ab. 8 ♀, ad. ☐ of ♀ et Δ of ♂. The Planets are all under the Earth, except the *Moon*, who is in ♍, the Ascendant of *England*, and dignities of ♂ angular, and located in the Med. Cœli; the Planet ♀ is in ♋, in the lower angle of the Figure. The positions at this Ingress seem to portend many eminent Councils and Consultations, held on affairs of very great importance to this Country; for we are still under the influences of the late great 6 of ♀ and ♋ in ♋, which are ever attended with Discontents, Hurries, and violent Actions, with great Controversies and sharp Disputes; and also the configurations of the Planets during this Quarter, signify an interruption in Public Affairs, and obstruction to the advantageous Designs under consideration for the peace of Mankind, stirring up new ferments and heats in the Councils and Courts of Princes, tending to ruin and

confusion, and contriving Plots against the established Government in certain Kingdoms of *Europe*, and all these will be managed with great privacy, because of their subterranean position at the time of this Ingress; but God, I hope, will bless and preserve his most sacred Majesty and all the Royal Family, and direct and prosper the endeavours of the great Council of the Nation; and chief Men in Authority, in the suppressing of Vice, and the wicked designs of the Enemies of our King, and the United Kingdom of *Great Britain and Ireland*.

Thus doth the Starry Influence forebeshew,
 What 'tis our Enemies are about to do.
 But if they any further progress make
 To gain their end, 'twill prove a dark mistake.
 But welcome better times in these our days,
 For which to God give honour, thanks, and praise.

THE SPRING QUARTER,

Or, *The Sun's Transit through ♈, ♉, and ♊.*

THIS Quarter begins on *Tuesday*, the 20th day of *March*, at 3 min. past 7 at night, when 15 deg. of π culminate, and 11 deg. of α ascend in the Latitude of *London*; at which time the *Moon* is ad vac. * ♄ et Δ ☉ et ☿ ♃ et ☿ ♄. All the angles of the Figure partake of the four Cardinal Points, and the *Moon* again strong in the Med. Cœli, in her own domal dignities.— This position of the *Moon* represents the People of *England*, and an heroic spirit in the Nation, in uniting against the encroachments of the *French* Government; and if the War should be protracted to this time, it signifies, with other configurations of the Planets, the good success of the Arms of this Country, in opposing the domineering spirit of that Government; but I have some reason to hope, before this time, things may be settled on a more solid basis, than has hitherto been done— notwithstanding the approaching 8 of ♄ and ♄, the 19th of *April*, and the 8 of ♃ and ♄ the 27th of *May*. To be sure these are

angry positions, but I hope their effects will be remote from us; for they signify some great changes and alterations to befall some countries. At this Ingress ♄ is on the Ascendant, in 8 to the Sun, on the cusp of the 7th House; ♄ is in 6 of ♄ in ♄, and near a * aspect of ♄, in the 6th deg. of ♄. These aspects will greatly contribute to the temperature of the season, causing plentiful falls of rain and fruitful showers; yet the weather will be unsettled and various; perhaps April more windy and moist; May more cool and dry than the former months.

THE SUMMER QUARTER,

Or, the Sun's Transit through ♄, ♄, and ♄.

THIS Quarter takes place on *Thursday*, the 21st of June, at 50 min. past 4 in the Afternoon, at which time the 11th deg. of ♄ culminates, and the 21st deg. of ♄ Ascends. The Moon ab. Δ ♄ ad. 8 of ♄ et * ♄ et □ ♄. From the positions of this Ingress, I judge, or conjecture, that the general affairs of Europe will be managed with great policy and privacy, also there will be eminent councils and debates about matters and things that relate to kingdoms and nations, and particularly concerning War or Peace; but I hope it may be the latter, for this is a more mild pacific Ingress than some of the former; however, it will in some measure soften and alleviate the evil Genii of the Times; and, I make no doubt, but there will be a strong inclination in most of the European powers for Peace, or to preserve it, should it be already made:—*St. Austin* saith, it is not sin to make War, but to abuse it. *David* was a great warrior, and God gave him a good testimony. And *St. Ambrose* saith, he that maintaineth a War against bloody and barbarous Enemies is a righteous person, for that he thereby defendeth the weak, and such as are subject to oppression. But it is God that governs the world—it is He that can command Peace or War, Plenty or Scarcity, &c.; it is his providential Hand that can secure and protect our guilty land, th-

can preserve us from those imminent dangers that have of late, and, perhaps, at this time, may threaten our Country.

THE AUTUMNAL QUARTER,

Or, The Sun's Transit through φ , μ , and λ .

THE Autumnal Quarter begins this Year, on Sunday the 23d day of September, at 47 minutes past 6 in the morning, when 11 deg. of φ are on the Mid-heaven, and 8 deg. of μ ascend in the East. The Moon ab $\square$ of φ et $\star$ δ .—The Positions and Configurations of the Planets at the time of this Ingress will be followed with remarkable proceedings. We may expect to hear of great Discontents, Depressions and Impediments in Public Affairs, Murmurings and Insurrections amongst the common People, Robberies, Thefts, Plundering, and Rapes.—But I have reason to hope, in general, that a good state seems to attend the *British* Monarch's dominions, and whose Councils will be prevalent in the grand actions of *Europe*.

FINIS.

Printed for the COMPANY of STATIONERS,
By William Thorne, Red Lion Court, Fleet Street, London.

OLD POOR ROBIN.
AN ALMANACK.

COMPOSED

(According to the modern Mode of Composition)

ON

A Variety of Subjects, both Ancient and Modern;

And, for the Reader's farther Entertainment,

Part in Prose,

Part Contemplative;

Part in Verse;

Part Serious,

Part Narrative,

Part Comick;

FOR THE
Entertainment and Improvement of the human Mind
and adapted to the meanest Capacity.

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A new improved Edition of a very old
EPHEMERIS, for the Year of our Lord, 1804.

Being the One Hundred and Forty-second Edition, the
first Leap-Year in the 19th Century.

And the Fifty-second Year of the New Style in Great Britain.

Written by **POOR ROBIN**, Knight of the *Burnt-Island*,
and Well-wisher to the MATHEMATICKS.

Let all ranks of Readers now buy ROBIN'S treat,
Which as full is of wit as an egg is of meat,
A perpetual feast, that by trios and dozens,
Wife maxims pears forth, to instruct all your cousins,
That prating at random is no sign of wit,
And that fools oft thought wise are, when silent they sit;
But as this seldom happens, it therefore is said,
That a still pair of chops make a wife logger-head.

LONDON:

Printed for the Company of Stationers,

By G. WOODFALL, No. 22, Paternoster Row,

And sold by GEORGE GREENHILL, Treasurer to the Company,
at their HALL, in LUDGATE STREET.

Price Seventeen-Pence, stitched.

Chronological Account of Remarkable Occurrences.

THE Creation of the World	Years since 5907
The General Deluge, or Noah's Flood	4554
The Birth of Abraham	3858
The Foundation of Solomon's Temple	2812
The Babylonish Captivity	2509
The Birth of our Blessed Lord and Saviour Jesus Christ	1803
His Passion and glorious Resurrection	1769
The beginning of the Ten Persecutions, by Nero	1731
The Tower of London built	1232
Cambridge made an University	1158
Oxford made an University	932
William Duke of Normandy conquered England	737
The Invention of Guns	425
The Art of Printing first invented at Haerlem	373
A great Plague in London, whereof died 30,578	201
The horrid Gunpowder Treason	198
The Holy Bible newly translated	196
Plague in London, of which, and other Diseases, died 54,266	178
New England planted	173
King Charles I. beheaded	155
King Charles II. restored	143
Another Plague in London, whereof, &c. died nearly 100,000	138
13,200 Houses burnt in London	137
A great Comet appeared in December and January	122
The great 13-Weeks Frost	119
King William III. and Queen Mary crowned April 11	114
England and Scotland united	98
St. Paul's in London finished	96
Queen Anne died August 1; and King George I. began	89
Preston Rebellion	88
King George I. died June 11; and King George II. proclaimed June 16	74
A splendid Comet, seen from Dec. 23 to Feb. 20	60
A Rebellion, when the Rebels came so far as Derby	58
The Date and Calendar altered	51
The Militia Act passed	45
King George II. died Oct. 25; and King George III. began	41
King George III. and Queen Charlotte crowned Sept. 22	42
Peace with France and Spain	39
The Swedes forced to resign their Liberties to the King	31
War commenced against North America	28
The Americans declare themselves Independent States	27
The French signed the first Treaty with the American States	25
War against France commenced	23
War began against Spain	24
War against Holland commenced	21
A general Peace	20
France became a Republic	12
The last general Peace	1

PREFACE.

BELOVED READER,

WHOSOEVER thou art! I come before thee with a heart infinitely better filled with benevolence than my belly is with bacon; and, perhaps, for that very reason— for I have heard my father say, that when a man has well stuffed his own guts, he is always more inclined to go to sleep, than attend to the hungry bellies of other people; but this is a thing, poor man! which he never knew by experience. He was a miracle of patience! for what with a spare diet, and a fume of a wife, he was worn to a thread many years before his death; and, excepting that our house did not smoke (owing to the want of coals) he was a pattern of resignation under two or three of the most fatal side-blows of malicious misfortune.

Ah! Reader, Reader! Happy would it be for thee if I inherited all he possessed; and many is the long winter's night which my lucubrations would brighten for thee, reading that over a comfortable fire and a pot of frothing ale, which was written in a garret over a farthing candle! Good luck! A knot of Christmas friends, and a tankard of nappy, are marvellous helps to wit; and I pray that Providence may grant them to thee whilst thou art reading my beloved works; for they are blessings of which thou stand in great need, and I am sure they never happened to them before! Dear, kind, good reader, extend thy friendship to me for my father's sake, whose humorous sallies have so often distorted thy face sidewise into the most ludicrous laughter—a favour which I will not fail to bestow upon thee as often as I can—Oh, dear! Oh, dear! If my father's spirit had rested upon me instead of his poverty, I might have had a prospect of getting salt to my porridge, at least of the artificial kind, one grain of which is infinitely more pungent, antiseptic, and unperishable, than a whole waggon load of the stale crudities of modern authors, who are unable to live upon favoury dishes, by vomiting forth the nauseous dregs of all the sink-pans of Paradise, and so much that one would think the whole animal reservoir taken with a violent colic, and shed their odiferous favours indiscriminately among mankind. Alas! what a life will it require it takes now-a-days to

be still so old as to be so

PREFACE.

poet—and the booksellers who were so much decried and run down in former ages, have made it all up to them in this; who with such prodigious taste and expence, have procured admission for their works into the hands, or, at least, into the houses, and upon the shelves, of all the polite world!—vellum paper—hot-pressed—elegant vignettes—superb title-pages—magnificent engravings—splendid binding! Formerly a work must have great merit to get into print; but now, my masters, all the volumes of nonsense and ribaldry, poetical, political, and moral, are too little to exhaust the indefatigable and amazing versatility of book-selling decorations. If modern productions do not see immortality, the blame must fairly be laid upon their authors, for the very paper on which they are printed is so stiff and inflexible, it is unfit for any domestic purpose that I know of, excepting to make pipe-lights. Forty or fifty years ago, I have heard my father say, your books of Sonnets and Love Poems, and such like, had some chance to get through a second edition; because as young ladies are especially inclined to read such things in a place of privacy and retirement, a leaf was of so convenient a size.—In those days the works of authors were of some real use, and might be applied with much cleanliness and benefit to the lower regions, if not to the upper. Oh! that I could recal the taste of former ages.—In virtue whereof my own works would find their way into the pockets of all the ladies and gentlemen of fashion in this united kingdom; and much good it might do to their heads, and serve the other purpose afterwards.

But this dissertation, gentle reader, has led me very far out of my way, and prevented my commencing a narrative the most heart-breaking that can be imagined—under which thou hast suffered grievously, and paid thy money for Poor Robins to very little purpose for some years past; and as I have already written as much as my worthy friends the Company of Stationers would like to print by way of preface, I must refer thee for the rest to the second part of his delectable work, where thou wilt find the reason why thy Poor Robins have been of late so much poorer than formerly, and receive some necessary information concerning the person who now addresses thee by the legal and title of

POOR SIR POOR ROBIN,
Knight of the Burnt Island.

TABLE to calculate WAGES.

per Year 1.	per Month.			per Week.				per Day.		
	l.	s.	d.	l.	s.	d.	f.	s.	d.	f.
1	0	1	8	0	0	4	2	0	0	3
2	0	3	4	0	0	9	1	0	1	1
3	0	5	0	0	1	1	3	0	2	0
4	0	6	8	0	1	6	2	0	2	3
5	0	8	4	0	1	11	0	0	3	1
6	0	10	0	0	2	3	2	0	4	0
7	0	11	8	0	2	8	1	0	4	2
8	0	13	4	0	3	0	3	0	5	1
9	0	15	0	0	3	5	2	0	6	0
10	0	16	8	0	3	10	0	0	6	2
11	0	18	4	0	4	3	3	0	7	1
12	1	0	0	0	4	7	1	0	8	0
13	1	1	8	0	4	11	3	0	8	2
14	1	3	4	0	5	4	1	0	9	1
15	1	5	0	0	5	9	0	0	9	3
16	1	6	8	0	6	1	3	0	10	2
17	1	8	4	0	6	6	1	0	11	1
18	1	10	0	0	6	10	3	0	11	3
19	1	11	8	0	7	3	2	1	0	2
20	1	13	4	0	7	8	0	1	1	1
30	2	10	0	0	11	6	0	1	7	3
40	3	6	8	0	15	4	0	2	2	1
50	4	3	4	0	19	2	1	2	9	0
60	5	0	0	1	3	0	1	3	3	2
70	5	15	8	1	6	10	1	3	10	0
80	6	13	4	1	10	8	1	4	4	2
90	7	10	0	1	14	6	1	4	11	2
100	8	6	8	1	18	4	2	5	5	3

The months above are calculated at twelve in the year. If the yearly wages be guineas instead of pounds, for every guinea add one penny for each month, or one farthing each week.

Learned men can find this out, 'tis true,
If they should set about it,
But what then must the unlearned do,
Who cannot count without it,

JANUARY hath xxxi Days.

M D Declin.
South.

Half Quarter 4 { Day } 9 h, 51 m. Night.
 New Moon 12 { at } 9 18 Night.
 First Quarter 19 { } 9 47 Night.
 Full Moon 26 { } 8 58 Night.

1 23° 5'
 6 22 37
 11 21 57
 16 21 7
 21 20 6
 26 18 56

O. enters 21st day, at 4 hq, Morn.

1	20	A	1 Sun. aft. Christ.	Circumcision;
2	21	M		Now eighteen hundred years and three,
3	22	Tu		Since date of christianity
4	23	W		Are past and gone, all (if no more)
5	24	Th		And we are safe arriv'd at four:—
6	25	F	Epiphany, Twelfth	Day. Old Christmas Day.
7	26	S		
8	27	A	1 Sun. aft. Epiph.	Lucan
9	28	M	Plow Monday	Good luck! why what a length of time
10	29	Tu		Mankind have had to prose and rhyme!
11	30	W		To write and read, translate, and quote,
12	31	Th	Days inc. 26 min.	And learning great to get by rote;
13	Jan.	F	Hil. Cam. T. beg.	And after all their care and pains,
14	2	S	Oxford Term beg.	I think they've very little brains—
15	3	A	2 Sun. aft. Epiph.	In eighteen hundred years and three
16	4	M		To get no wiser than we be:
17	5	Tu		"Ah! Bob (quoth Jenny) what
18	6	W	Q. Charlotte p. k.	thou'rt doing,
19	7	Th		"I greatly fear will prove thy ruin—
20	8	F	Fabian. In 8 days	Prisea. Old Twelfth Day.
21	9	S	Agnes	"Remember (with a pox) I pray,
22	10	A	3 Sun. aft. Epiph.	of so like I return.
23	11	M	Hilary Term beg.	"Take warning by the son of a w—
24	12	Tu		"Who wrote the Almanack before;
25	13	W	Conv. of St. Paul.	"And now resume thy father's themes
26	14	Th		"Of witches, tales, of ghosts, and dreams
27	15	F	D. of Suffer bo.	"And give thy readers too a treat
28	16	S	Days inc. 1 h. 8 m.	"Of fun, that thou and I may eat."
29	17	A	Septuagesima Sun.	From St. Phil. in 15 Days 2 ret.
30	18	M	E. Charl. mart.	Quoth I, sweet Jenny (but I ly'd)
31	19	Tu		You speak so mild, and like a bride;

Choice Remarks.					M D	Clocks before Sun.
Now Spring puts up, and that puts down, White bearded Winter's grisly frown; And, would my brethren all incline, Now is the time for Valentine.					1 6 11 16 21 26	3' 57" 2 37 1 3 Aft. 13 1 22 2 20'
1 V	V	0 m 53	21	So like the		
2 30	30	1 46	22	devil very		
3 28	32	2 32	23	well,		
4 26	34	3 1	24			
5 24	36	3 25	25	When they		
6 22	38	3 44	26	go hand in		
7 20	40	4 1	27	hand to hell;		
8 18	42	4 17	28	May blunder		
9 16	44	4 32	29	in his recol-		
10 14	46	4 sets	N	lection,		
11 12	48	9 a 8	1	And to the		
12 10	50	10 39	2	last make		
13 8	52	11 59	3	this objec-		
14 6	54	morn	4	tion.		
15 4	56	1 3	5	Fiddling Fan		
16 2	58	1 48	6			
17 IV	VII	2 19	7			
18 59	1	2 41	8	Giles		
19 57	3	2 59	9	Goosecap.		
20 55	5	3 12	10			
21 53	7	3 25	11	Mat Mug		
22 51	9	3 38	12			
23 50	10	3 51	13	With his		
24 48	12	Drifcs	F	brown jug.		
25 46	14	8 a 35	15			
26 44	16	9 44	16			
27 42	18	10 50	17	Guy Faux.		
28 40	20	11 46	18			
29 39	21	morn	19	Harry Fleb		
30 37	23	0 33	20			

back as far as the years 1791 and 1792, and having read the prose columns in the calendar parts thereof, next do me the favour to read the second part of this present Poor Robin for 1804 (that is, as soon as you come to the next full stop) where you will find a full and true account of the secret at which I have several times hinted, and also understand how I became possessed of the following continuation of the diverting and instructive particulars of

GRIFFIN'S CHRISTMAS FEAST.

Supper being ended Mr. Martext was preparing to say grace; when Griffin, expecting to have his patience put to the torture, bawled out, "Thank God"—Sancho popped in "Amen"—and they turned round their chairs to the fire. But Martext was not so easily snubbed: Mrs. Griffin turned up the whites of her eyes and dropped her chin into her handkerchief; and Martext, perceiving those emotions of the spirit, began a rhapsode, the particulars of which I have never been able to collect. Poor Syntax and Trigon, out of compliment to their hostess, were obliged to sit the whole out, which they did with

MAY hath xxxi Days.

MAY hath xxxi Days.				M D	Declin. North.
Last Quarter	3	} Day at {	11 ho. 7 m. Night.	1	15° 6'
New Moon	9		4 2 After.	6	16 33
First Quarter	16		11 19 Morn.	11	17 54
Full Moon	24		1 51 After.	16	18 7
				21	20 12
☉ enters 11 21st day, at 8 ho. 9 m. Morn.				26	21 9

1	19	lu	St. Philip & James.	THE LANDLORD OUTWITTED.
2	20	W		A TALE.
3	21	T	Invent. of cross.	"Hark ye, good sirs (I heard a man cry)
4	22	F		
5	23	S		
6	24	G	Sun. aft. Easter.	Rog. S. St. J. Evan. ante Po. Lat.
7	25	M	Ds. of York bo.	5 Weeksaft. East. 4 ret.
8	26	Tu		"I fear your sage dispute grows angry;
9	27	W		"And while your fiery spirits cool,
10	28	Th	Ascen. d. Holy Th.	"I tell you should fight and play the fool,
11	29	F	Qu. morrow of A.	"(For 'tis a shame to fret and fume our
12	30	S	[5 ret.	"Good liquor into such ill humour),
13	May 1	G	Sunday aft. Ascen.	"I'll tell a story"—hearing that
14	2	M	East. Term ends	"They dropp'd their irritable chat:
15	3	T	[long	"Attention sat on every brow,
16	4	W	Day 15 h. 38 m.	"And he went on as I do now.
17	5	Th	Prs. Walesborn.	"The landlord of a certain inn,
18	6	F		Oxford Ter. ends.
19	7	S	Qu. Charlotte b.	Dunstan.
20	8	G	Whit Sunday.	(For thus my story does begin,
21	9	M	Whit Monday	Princess Elizabeth born.
22	10	T	Whit Tuesday	But whereabouts the tavern stood,
23	11	W	Ember week.	Near to what town, or by what road;
24	12	Th	Cam. Term. div. n.	Or Anno Domini what year
25	13	F		The story starts, doth not appear
26	14	S	Aug. 14 Abp. Can.	Venerable Bede.
27	15	G	Trinity Sunday.	And tho' the time, and place, and date,
28	16	M	On mor. H. T. Yret.	I gladly would communicate,
29	17	T	K. Char. II. reth.	I am not, mark me; Such a Jew,
30	18	W	Oxford Term beg.	I'll invent them as historians do.
31	19	Th	Corpus Christi.	

Observations in MAY.					M D	Clocks after Sun.
Now lads and lasses round the May-Pole; dance the round hours away!					1	3' 57"
A proof that poles which stand upright,					6	3' 37"
Can please by day as well as night!					11	3' 54"
					16	3' 57"
					21	3' 46"
					26	3' 29"
1 IV	VII	1 m	7 21	infinite wriggling and uneasiness.		
2 34	26	1	33 22	Every time Martext stopped to		
3 34	28	1	54 23	take breath, Griffin said "Amien"		
4 30	30	2	11 24	— Mrs. Griffin gave a grunt, and		
5 28	32	2	26 25	Syntax and Trigon made a motion		
6 27	33	2	40 26	to get up, but Martext would not		
7 25	35	2	50 27	bait them an inch; and Griffin,		
8 23	37	3	13 28	seeing no end to the affair, blew		
9 22	38	3	13 28	a large whiff of tobacco in such a		
10 20	40	9 a	35 29	direction, that it encountered the		
11 19	41	10	48 30	nostrils of Martext, and gave him		
12 17	43	11	10 31	such a fit of coughing, as entirely		
13 16	44	11	43 32	discomposed his ideas, and effectually		
14 14	46	12	20 33	stopped his speech.		
15 13	47	12	45 34	There is a time for all things		
16 11	49	1	16 35	(quoth Sancho) a time to speak,		
17 10	50	1	24 36	and a time to hold our tongues—		
18 8	52	1	36 37	a time to be merry, and a time to		
19 7	53	1	40 38	be sad—a time to eat and a time		
20 6	54	2	11 39	to drink—so saying he laid hold		
21 4	56	2	14 40	of the tankard, which went jovially		
22 3	57	2	30 41	round; and the company all gathering		
23 2	58	2	48 42	about the fire, began to hem!		
24 1	59	2	48 43	and get ready to hear a subject of		
25 59	1	9 a	35 44	discourse started by somebody. "I		
26 58	2	10	30 45	think, my dear," said Mrs. Griffin,		
27 57	3	11	7 46	it is two-and-thirty years this very		
28 56	4	11	35 47	day since we were married. I thought		
29 55	5	11	58 48	it had been more," (replied Griffin,		
30 54	6	morn	21 49	blowing a large whiff of tobacco		
31 53	7	0	16 50	towards the ceiling): "I beg leave,		
				madam (quoth Syntax, laying hold		
				of the tankard) to wish you both		
				many happy returns of it. Both?"		
				(said Griffin). If wishes were horses		
				(said Sancho) beggar might ride.		
				And if it—ds were words (replied		

MAY hath xxxi Days.

M D ☉ Declin.
North.

Last Quarter	2	} Day at {	11 ho.	7 m.	Night.
New Moon	9		4	2	After.
First Quarter	16		11	19	Morn.
Full Moon	24		1	51	After.

1	15° 6'
6	16 33
11	17 54
16	19 7
21	20 12
26	21 9

☉ enters II 21st day, at 8 ho. 9 m. Morn.

1	19	in	St. Philip & James.	THE LANDLORD OUTWITTED.
2	20	W		
3	21	T	Invent. of cross.	A TALE.
4	22	F		"Hark ye, good sirs (I heard a man cry)
5	23	S		
6	24	G	5 Sun. aft. Easter.	Rog. S. St. J. Evan. ante Po. Lat.
7	25	M	Ms. of York bo.	5 Weeksaft. Lat. 4 ret.
8	26	Tu		"I fear your sage dispute grows angry;
9	27	W		"And while your fiery spirits cool,
10	28	Th	Ascen. d: Holy Th.	"Let you should fight and play the fool,
11	29	F	Qu. morrow of A.	"(For 'tis a shame to fret and fume our
12	30	S		"Good liquor into such ill humour),
13	May	G	Sunday aft. Ascen.	"I'll tell a story"—hearing that
14	2	M	East. Term ends	"They dropp'd their irritable chat:
15	3	T		Attention sat on every brow,
16	4	W	Day 15 h. 38 m.	And he went on as I do now.
17	5	Th	Prs. Wales born.	The landlord of a certain inn,
18	6	F		Oxford Ter. ends.
19	7	S	Qu. Charlotte b.	Dunstan.
20	8	G	Whit Sunday.	
21	9	M	Whit Monday	(For thus my story does begin,
22	10	T	Whit Tuesday	Princess Elizabeth born.
23	11	W	Ember week.	But whereabouts the tavern stood,
24	12	Th	Cam. Term. div. n.	Near to what town, or by what road;
25	13	F		Or Anno Domini what year
26	14	S	Aug. 18 Abp. Can.	The story starts, doth not appear
27	15	G	Trinity Sunday.	Venerable Bede.
28	16	M	On mor. H. T. Iret.	And tho' the time, and place, and date,
29	17	Tu	Ch. Char. II. reas.	I gladly would communicate,
30	18	W	Oxford Term beg.	I am not, mark me; Such a Jew,
31	19	Th	Corpus Christi.	I'll invent them as historians do.

Observations

New York and vicinity, June 1, 1912

Field notes for June 1, 1912

A. J. C. and J. C. C. and J. C. C.

Collected in the morning

Time	Locality	Number	Remarks
1:14	26	1	1st
2:34	26	1	1st
3:52	26	1	1st
4:30	35	2	1st
5:28	35	2	1st
6:27	35	2	1st
7:25	35	2	1st
8:23	35	3	1st
9:22	35	1	1st
10:20	40	5	1st
11:19	41	10	1st
12:17	45	11	1st
13:16	45	11	1st
14:14	46	6	1st
15:13	47	0	1st
16:11	49	1	1st
17:10	50	1	1st
18:8	52	1	1st
19:7	53	1	1st
20:6	54	2	1st
21:4	55	2	1st
22:3	55	2	1st
23:2	55	2	1st
24:1	55	2	1st
25:59	1	5	1st
26:58	2	10	1st
27:57	3	11	1st
28:56	4	11	1st
29:55	5	11	1st
30:54	6	11	1st
31:53	7	11	1st

APRIL hath xxx Days

Last Quarter	3	} Day {	9 ho. 24 m. Morn.
New Moon	10		8 16 Morn.
First Quarter	16		11 35 Night.
Full Moon	24		10 2 Night.

☉ enters 8 20th day at 7 ho. 40 m. Morn.

M D	☉ Declin. North.
1	40 35'
6	6 29
11	8 21
16	10 9
21	11 53
26	13 32

1	20	G	Easter Day.	And what will make us safe and free
2	21	M	Easter Monday.	
3	22	Tu	Easter Tuesday.	Rich. Bp. Chichester.
4	23	W	Ambrose.	From theft? She, answer'd—"Po-
5	24	Th		verty."
6	25	F	Old Lady-Day.	Suppose a robber then should meet
7	26	S		A wealthy man in lonesome street;
8	27	G	1 Sun. aft. Easter	Low Sunday.
9	28	M		
10	29	Tu		Say, what should make the villain falter
11	30	W	Ox. & Cam. T. be.	And turn his back? (Quoth she) "A
12	31	Th		halter."
13	Apr.	F	[long.	" In short the public you must please
14	2	S	Day 13 ho. 48 m.	" To get your children bread and cheese.
15	3	G	2 Sund aft. Easter.	" Your wealthy folk may fly i'th' face
16	4	M	Easter 1st ret.	" Of men, and tell them they want grace.
17	5	Tu		" Or what should you do more than those
18	6	W	Easter Term beg.	" The clergy, who're well paid, Heav'n
19	7	Th	Alphege.	knows?
20	8	F		" And yet, as I have understood,
21	9	S		" They do but very little good.
22	10	G	3 Sun. aft. Easter.	" So lay your moral schemes aside,
23	11	M	St. George	" And for your family provide.
24	12	Tu	St. Mark. Prs.	" Tell humorous stories, and take warn-
25	13	W	[Mary b.	ing
26	14	Th		3 W. after Easter 2 ret.
27	15	F	Days 14 h. 36 m. 1.	" By my prophetic discerning.
28	16	S		" Or else I shall"—no more she said,
29	17	G	4 Sun. aft. Easter.	But shook a cudgel o'er my head,
30	18	M	1 M. aft. East. 3 ret.	Whereat my flesh began to tremble,
				And, forc'd conviction to dissemble,
				I snatch'd my pen up, and, in brief,
				Scribbled a tale 'tis o'er the leaf.

Choice Remarks.					M D	Clocks before Sun.
Now Spring puts up, and that puts down; White bearded Winter's grisly frown; And, would my brethren all incline, Now is the time for Valentine.					1 6 11 16 21 26	3' 57" 2 27 1 3 At. 13 1 22 2 20'
1	V	V	0 m 53	21	back as far as the years 1791 and 1792, and having read the prose columns in the calendar parts thereof, next do me the favour to read the second part of this present Poor Robin for 1804 (that is, as soon as you come to the next full stop) where you will find a full and true account of the secret at which I have several times hinted, and also understand how I became possessed of the following continuation of the diverting and instructive particulars of	
2	30	30	1 46	22		
3	28	32	2 32	23	So like the devil very well,	
4	26	34	3 12	24		
5	24	36	3 25	25	When they go hand in hand to hell;	
6	22	38	3 44	26		
7	20	40	4 1	27	May blunder in his recollection,	
8	18	42	4 17	28		
9	16	44	4 32	29	And to the last make this objection.	
10	14	46	4 46	30		
11	12	48	5 8	1	GRIFFIN'S CHRISTMAS FEAST.	
12	10	50	10 39	2		
13	8	52	11 59	3	Supper being ended Mr. Martext was preparing to say grace; when Griffin, expecting to have his patience put to the torture, bawled out, "Thank God"—Sancho popped in "Amen"—and they turned round their chairs to the fire. But Martext was hot; so easily ruffled: Mrs. Griffin turned up the whites of her eyes, and dropped her chin into her handkerchief; and Martext, perceiving those emotions of the spirit, began a rhapsody, the particulars of which I have never been able to collect. Poor Syntax and Trigon, out of compassion to their hosts, were obliged to sit the whole out, which they did with	
14	6	54	morn	4		
15	4	56	1 3	5	Fiddling Fan	
16	2	58	1 48	6		
17	IV	VII	2 19	7	Giles Goosecap.	
18	59	1	2 41	8		
19	57	3	2 59	9	Mat Mug	
20	55	5	3 12	10		
21	53	7	3 25	11	With his brown jug.	
22	51	9	3 38	12		
23	50	10	3 51	13	Guy Faux.	
24	48	12	4 1	14		
25	46	14	4 23	15	Harry Hobb	
26	44	16	4 44	16		
27	42	18	5 10	17		
28	40	20	5 46	18		
29	39	21	morn	19		
30	37	23	0 33	20		

MAY hath xxxi Days.

Last Quarter

2

New Moon

9

First Quarter

16

Full Moon

24

Day

at

11

4

11

1

ho.

7

m.

Night.

After.

Morn.

After.

M

D

Declin.

North.

1

15

6

6

16

33

11

17

54

16

10

7

21

22

12

26

21

9

☉ enters 11 21st day, at 8 ho. 9 m. Morn.

1	19	W	St. Philip & James.	THE LANDLORD OUTWITTED.
2	20	W		
3	21	T	Invent. of cross.	A TALE.
4	22	F		"Hark ye, good sirs (I heard a man cry)
5	23	S		
6	24	G	Sun. aft. Easter.	Rog. S. St. J. Evan. ante Po. Lat.
7	25	M	Ds. of York bo.	5 Weeksa. Lat. 4 ret.
8	26	Tu		"I fear your sage dispute grows angry;
9	27	W		"And while your fiery spirits cool,
10	28	Th	Ascen. d. Holy Th.	"I tell you should fight and play the fool,
11	29	F	Qu. morrow of A.	"(For 'tis a shame to fret and fume our
12	30	S		"Good liquor into such ill humour),
13	May 1	G	Sunday aft. Ascen.	"I'll tell a story"---hearing that
14	2	M	East. Term ends	"They dropp'd their irritable chat:
15	3	T	[long]	"Attention sat on every brow,
16	4	W	Day 15 h. 38 m.	"And he went on as I do now.
17	5	Th	Frs. Walesborn.	"The landlord of a certain inn,
18	6	F		Oxford Ter. ends.
19	7	S	Qu. Charlotte b.	Dunstan.
20	8	G	Whit Sunday.	
21	9	M	Whit Monday.	(For thus my story does begin,
22	10	T	Whit Tuesday.	Princess Elizabeth born.
23	11	W	Ember week.	But whereabouts the tavern stood,
24	12	Th	Cam. Term. div. n.	Near to what town, or by what road;
25	13	F		Or Anno Domini what year
26	14	S	Aug. 14 Abp. Can.	The story bears, doth not appear
27	15	G	Trinity Sunday.	Venerable Bede.
28	16	M	On mor. H. T. Yret.	And tho' the time, and place, and date,
29	17	T	R. Char. II. reas.	I gladly would communicate,
30	18	W	Oxford Term beg.	I am not, mark me; Such a Jew,
31	19	Th	Corpus Christi.	I'll invent them as historians do.

Observations in MAY.					M D	Clocks after Sun.
Now lads and lasses round the May-Pole, dance the joyful hours away; A proof that poles which stand upright, Can please by day as well as night.					1 6 11 16 21 26	3' 3' 3' 3' 3' 3'
1 IV	VII	1 m	7 21			
2 34	26	1	33 22	Good		
3 32	28	1	54 23	Mr. Noll		
4 30	30	2	11 24	you rascal		
5 28	32	2	26 25	curs'd,		
6 27	33	2	40 26	I pray let		
7 25	35	2	50 27	Bonaparte		
8 23	37	3	13 28	come first;		
9 22	38	3	13 28	No Robes-		
10 20	40	9 a	35	pierre begins		
11 19	41	10	48	to grin,		
12 17	43	11	10 49	And Nick		
13 16	44	12	10 50	desires him		
14 14	46	12	20 51	to walk in.		
15 13	47	1	48 52	new moon		
16 11	49	1	6 53	the day		
17 10	50	1	24 54	Bouncing		
18 8	52	1	36 55	Berry.		
19 7	53	1	40 56	the day		
20 6	54	2	1 57	Tom Vanner		
21 4	56	2	14 58	the day		
22 3	57	2	30 59	the day		
23 2	58	2	48 60	Giles Gible.		
24	VIII	3	1 61	the day		
25 59	1	9 a	35 16			
26 58	2	10	30 17	Harry		
27 57	3	11	7 18	Holdfast		
28 56	4	11	33 19			
29 55	5	11	58 20	Luke		
30 54	6	12	21 21	Lobster.		
31 53	7	1	16 22			

infinite wriggling and uneasiness. Every time Martext stopped to take breath, Griffin said "Amen" — Mrs. Griffin gave a grunt, and Syntax and Trigon made a motion to get up, but Martext would not bait them an inch; and Griffin, seeing no end to the affair, blew a large whiff of tobacco in such a direction, that it encountered the nostrils of Martext, and gave him such a fit of coughing, as entirely discomposed his ideas, and effectually stopped his speech.

There is a time for all things (quoth Sancho) a time to speak, and a time to hold our tongues—a time to be merry, and a time to be sad—a time to eat and a time to drink—so saying he laid hold of the tankard, which went jovially round; and the company all gathering about the fire, began to hem and get ready to hear a subject of discourse started by somebody. I think, my dear, said Mrs. Griffin it is two-and-thirty years this very day since we were married. I thought it had been more, (replied Griffin blowing a large whiff of tobacco towards the ceiling): I beg leave madam (quoth Syntax, laying hold of the tankard) to wish you both many happy returns of it. Both (said Griffin). If wishes were horses (said Sancho) beggars might ride And if it—ds were swords (replied

JUNE hath xxx days.

				D	North.
1st Quarter	1	Day at	8 ¹⁰ . 55 m. Morn.	1	22° 4'
2nd Quarter	7		11 ⁰ . 7 N. light.	6	22 40
3rd Quarter	15		0 ⁰ . 58 Morn.	11	23 6
4th Quarter	23		4 ⁰ . 22 Morn.	16	23 22
☉ enters 21st day at	30		8 ⁰ . 34 After.	21	23 28
☉ enters 21st day at	4		ho. 50 m. After	26	23 23

20	F	Nicomede. Tr. T. b.	All this consider'd, I beseech,
21	S		Seeing they are beyond my reach,
22	G	1 Sund. after Trin.	Your reverences would deal gently,
23	M	K. Geo. 1 l. b. 1738	In 8 d. of H. T. 2 ret.
24	Tu	D. of Cumb. born.	Soniface.
25	W		
26	Th		And pass them over:---consequently,
27	F		(For one point more I must obtain)
28	S		We'll, if you please, begin again.
29	G	2 Sund. aft. Trin.	
30	M	St. Barnabas	In 15 Days of H. Term. 3 ret.
31	Tu		
June 1	W		A certain innkeeper, like him
2	Th		You find in the Beaux Stratagem,
3	F		(Stout was his name, but gentlemen
4	S		Would call him Stingo now and then;)
5	G	3 Sund. aft. Trin.	Of face as red, and person squat as
6	M	Trin. 4 ret.	St. Alban.
7	Tu		His protuberance, and, eke as fat as---e.
8	W	Tr. Ed. K. W. Sax.	With rosy gills as soft as wool,
9	Th	Longest Day. 16 h.	Trinity Term ends.
10	F	[34. m.	And guts at least a muck-cart full.
11	S		Dear Jenny, go and draw some ale,
12	G	4 Sund. aft. Trin.	Or I shall ne'er get thro' my tale.
13	M		St. John Baptist. Midsum. Day
14	Tu		
15	W		I say this pretty babe of grace
16	Th		(And that was how he got the place)
17	F	St. Peter.	Had, in the former part of life,
18	S		Taken a Landlady to wife,
			Who was well furnish'd for the trade,
			Being theretofore a chamber-maid;
			Or rather, that we don't misname her,

Observations in JUNE.										M	Clocks	
										D	after Sun	
In weather warm good friends begin,										4	2'	37"
To send me presents of old wine;										6	1	48
For all the drink that I can get,										11	0	50
Your brew-house beer gives me the skit.										16	Def.	11
										21	1	15
										26	2	19
1	III	VIII	om	30	23	And who are				Griffin) you might have one b		
2	51	9	0	44	24	you? says				your side. Syntax began to per		
3	50	10	0	59	25	Nick, so				ceive he was a little over the leg		
4	49	11	1	10	26	Bona;				and the conversation was at a		
5	49	11	1	36	27	Quoth he,				end.		
6	48	12	2	4	28	I am thy				Pray friend Sancho, said Trigon		
7	47	13	D	sets	N	ancient				what do you think of the solar		
8	47	13	9	2	25	irony;				system? I think (replied Sancho		
9	46	14	10	12	2	Who reign'd				a still tongue makes a wise head		
10	46	14	10	44	3	some time				At least (said Syntax) it often		
11	45	15	11	7	4	ago in				conceals a foolish one. That is		
12	45	15	11	24	5	France,				neither here nor there (replied		
13	44	16	11	38	6	And strove				Sancho) Time is and time was—		
14	44	16	11	56	7	thy glory				the less there is said, the more		
15	44	16	morn		8	advances				there is to guess at; and it is		
16	44	16	0	2	9	By mutual				better to spare at the brim than		
17	43	17	0	16	10	rapine, force,				at the bottom. Not of a tankard		
18	43	17	0	31	11	and fraud,				(said Griffin) taking a draught and		
19	43	17	0	49	12	And mock-				nodding at Sancho. Right (quoth		
20	43	17	1	12	13	ing publicly				Sancho) example is better than		
21	43	17	1	43	14	the Lord.				precept, and he that will not when		
22	43	17	2	25	15					he may, when he will he shall		
23	43	17	D	riser	1					have nay. Here the tankard went		
24	43	17	0	35	17					round, and the conversation was		
25	43	17	0	58	18					again at a stand.		
26	44	18	10	17	19					Trigon, who had all the even-		
27	44	18	10	33	20					ing envied Syntax his sixteen logi-		
28	44	18	10	46	21					cal heads, was resolved to squeeze		
29	45	19	11	0	22					in a subject upon which he might		
30	45	19	11	15	23					shine in his turn, and this was the		

JULY hath xxxi Days.					M D	Declin. North.
New Moon	7	} Day at }	6 h. 44 m.	Morn.	1	23° 8'
First Quarter	14		4	28	6	22 43
Full Moon	22		5	25	11	22 8
Last Quarter	29		8	27	16	21 24
☉ enters ♏ 23d day, at 3 ho. 44 m. Morn.					21	20 31
					26	19 28
1	19	G	5 Sund. aft. Trin.	The maid should go before the chamber;		
2	20	M	Visit. of B. V. Mary.	For truth to say we often find,		
3	21	Tu	Camb. Commence.	Dog-days begin in Brit.		
4	22	W	Transl. of St. Mart.	It very seldom comes behind.		
5	23	Th				
6	24	F	Camb. Term ends	Old Midsum. Day.		
7	25	S	Tho. a Becket.	In short, the many a bed had warm'd,		
8	26	G	6 Sund. aft. Trin.	And many a traveller's heart, had		
9	27	M	Oxford Act	charm'd;		
10	28	Tu		And o'er certain doors we see		
11	29	W		" Mantuas made here, et cetera "		
12	30	Th		So Betty many a guinea took—		
13	July	F		" For what ? " baw'd out my wife—go		
14	2	S	Oxford Term ends	look }		
15	3	G	7 Sund. aft. Trin.	While yet Stout reign'd but in the		
16	4	M	Days dec. 32 min	stable,		
17	5	Tu		S within.		
18	6	W		He did as oft as he was able		
19	7	Th		Court Betty by the kitchen fire		
20	8	F	Margaret	To crown his honourable desire:		
21	9	S		But Betty, tho' he did so crave her,		
22	10	G	8 Sund. aft. Trin.	Design'd him still a greater favour?		
23	11	M		For, truth to say, she was not coy,		
24	12	Tu				
25	13	W	St. James.	Magdalen		
26	14	Th	St. Anne.	And vast I lik'd the jolly boy.		
27	15	F	Day 15 h. 34 m. 1	But it had been since the world be-		
28	16	S		gan,		
29	17	G	9 Sund. aft. Trin.	The matter first, and then the man.		
30	18	M		Thus Betty wisely plann'd it, and		
31	19	Tu		he,		
				Had lately kiss his wife with brandy:		
				Nothing more lucky could fall out,		
				And Betty brought it soon about,		

Observations in JULY.

M	D	Clocks before Sun.
1	3	19
6	4	24
11	5	30
16	5	35
21	5	57
26	6	5

In days of yore, I've heard folks say,
Wenches got kiss'd while making hay;
Then, what rare fun with lads and lassies,
I dare not tell you all that passes.

1	III	VIII	11	2	3	4	24
2	46	14	11	58	25		
3	47	13	morn	20			
4	48	12	0	28	27		
5	48	12	4	14	28		
6	49	11	2	20	29		
7	50	10	D sets	N			
8	50	10	9 a	4	1		
9	51	9	9	12	2		
10	52	8	9	30	3		
11	53	7	9	49	4		
12	54	6	10	3	5		
13	55	5	10	17	6		
14	56	4	10	31	7		
15	57	3	10	48	8		
16	59	1	12	9	9		
17	TV	VIII	1	37	10		
18	1	59	morn	11			
19	2	58	0	14	12		
20	3	57	1	6	13		
21	5	55	1	59	14		
22	6	54	D rises	F			
23	7	53	8 a	23	15		
24	8	51	8	36	16		
25	10	50	8	51	18		
26	12	48	9	6	19		
27	13	47	9	21	20		
28	14	46	9	38	21		
29	16	44	10	2	22		
30	17	43	10	29	23		
31	18	42	11	5	24		

pily to his aid, and his solar system was set upon its legs again.—
If Mr. Trigon pleases (said she) I should like to hear him give some account of the *solid cipher*, a demonstration thereof would give me the greatest *petrification*. Here Mr. Trigon was all on victors to put Mrs. Griffin's fine language into English: Trigon, however, got the start, and answered thus:—
With great pleasure, madam, I shall first briefly observe, that the knowledge of astronomy is of great antiquity. We have a very good account of a total eclipse of the Sun being foretold 80 years before Christ, by one Thales, a Milesian; then follow Anaxagoras, Anaximenes, Anaxagoras, and Pythagoras; afterwards Philolaus, Nicetas, Meton, Euctemon, Plato, Aristotle, Eudoxus, Calippus, &c. &c. Likewise Aristarchus, Archimedes, Hipparchus, and many others; besides, among the moderns, Copernicus, Tycho Brahe, Kepler, Ptolomy, Galileo, and so on down to our own immortal Newton: all this time astronomy was improving, and accordingly there were many erroneous systems formed before they hit upon the right one,—as for instance, the Ptolomaic system; the Tychoinic system; the Semi-Tychoinic system, and the Copernican, of all

August hath xxxi Days.				M D	Declin North.
New Moon	5	} Day {	3 ho. 59 m. After.	1	18° 3'
First Quarter	13		9 37 Morn.	6	16 43
Full Moon	21		5 3 Morn.	11	15 17
Last Quarter	28		1 13 Morn.	16	13 45
☉ enters 23d day, at 10 ho. 12 m. Morn.				21	12 8
				26	10 26

1	20	W	Lammas Day.	Within a week the spouse was buried, And Betty and her master married.
2	21	Th		This was one step more in Scout's
3	22	F		ladder,
4	23	S		Who ~~more~~ more ~~could~~ go with he had
5	24	G	10 Sund. aft. Trin.	
6	25	M	Transfiguration	
7	26	Tu	Prs. Amelia bo.	Name of Jesus.
8	27	W		And doubled all the pains he took.
9	28	Th		Would groom, clean boots, draw beer, and cook;
10	29	F	St. Lawrence	
11	30	S	Dr. Brunswick bo.	Dog Days end.
12	31	G	11 Sund. aft. Trin.	Pr. Wales bo. 1762.
13	Aug.	M	Old Lammas Day	And fifty other things—would work To please his mistress, like a Turk;
14	1	Th		While she, for her part, had a way
15	2	W	Assumption.	To keep his passion still in play;
16	3	Th	D. of York born.	And propos'd him, he could not chuse.
17	4	F		To step at last in his master's shoes;
18	5	S		And when his patience was far gone,
19	6	G	12 Sund. aft. Trin.	Sometimes he'd let him try them on.
20	7	M		One got more ale, my dearest Jane,
21	8	Tu	D. of Clarence b.	To aid the pow'rs of my poor brain.
22	9	W		Now Time that does such wond'rous
23	10	Th		things,
24	11	F	St. Bartholomew.	Cools heroes and makes song'rous kings;
25	12	S		The proud pulls down, exalts the
26	13	G	13 Sund. aft. Trin.	humble;
27	14	M		Usurpers from their thrones does tumble
28	15	Tu	St. Augustine.	Into the dirt, from whence, God knows,
29	16	W	St. J. Bap. beh.	Not very long before they rose.
30	17	Th		This Time that robs the beaux of graces,
31	18	F		And wrinkles puts on ladies' faces;
32	19	S		And makes them, spite of patch and
33	20	G		paints,
34	21	M		Give up their ogling and turn saints.

Observations in August.					M. D.	Clocks before Sun.
1	08	1	07	12	1	55
Ceres the goddess was of corn,					6	53
And was invoked ere that was thorn.					11	52
By heathen Greeks;—but Christians may					16	58
As well thank God; and cut away.					24	51
					26	1 33
1	IV	VII	morn	25	which I mean to give you a short account: The devil you do (said Griffin to himself:) That puts me in mind of a story (cried Sancho) which I heard when I was a boy.—Here Griffin rubbed his hands, and called for the story.—Mrs. Griffin knit her brows and begged that Mr. Trigon might not be interrupted:—Once upon a time (said Sancho) there was a man—Let me tell you, Mr. Sancho, (quoth Mrs. Griffin) it is very ill manners to interrupt people. I think so too (said Griffin) and as Sancho had begun, you are correcting yourself. Mr. Griffin (says the wife) I wonder in my conscience what you would be at: you always differ in opinion with me! Aye (quoth Griffin) or I should be a confounded fool—for I never knew you to be on the sensible side of the question. There, gentlemen, (says she) did you ever hear such a brute?	
2	22	38	10	26		
3	24	36	1	10	27	laam rode his
4	25	35	2	20	28	humble ass,
5	27	33	3	44	29	And gave it
6	29	31	4	14	30	many a bit
7	30	30	7	58	31	ster stroke,
8	32	28	8	10	32	Because it
9	34	26	8	23	33	onward
10	35	25	8	37	34	dat & not
11	37	23	8	54	35	Bas;
12	39	21	9	13	36	How pretti
13	41	19	9	38	37	ly the crea
14	42	18	10	14	38	Dislike F
15	44	16	10	57	39	uke spoke!
16	46	14	11	24	40	what?
17	48	12	morn	12	41	Ned Nappy
18	50	10	1	3	42	Old Oliver.
19	51	9	2	11	43	Pert Peg
20	52	8	3	38	44	Mad Me
21	53	7	4	16	45	
22	55	5	5	31	46	
23	57	3	7	16	47	
24	59	1	7	31	48	
25	V	VI	7	48	49	
26	2	58	8	8	50	
27	4	56	8	36	51	
28	6	54	9	11	52	
29	8	52	10	1	53	
30	10	50	11	13	54	
31	12	48	morn	25	55	
32	14	46	0	26	56	

SEPTEMBER hath xxx Days.				M D	Declin. North.
New Moon	4	Day at	3 ho. 37 m Morn.	1	80 17
First Quarter	12		3 55 Morn.	6	6 27
Full Moon	19		8 31 After.	11	4 33
Last Quarter	26		7 32 Morn.	16	2 38
☉ enters ♈ 23d day, at 6 ho. 47 m. Morn.				21	0 42
				26	1 15
1	20	S	Giles		
2	21	G	14 Sund. aft. Trin.	Lond. burnt, 1666. [O. S.	
3	22	M			
4	23	Tu		Cock up thy chin, dear Jenny do,	
5	24	W		Alas! alas! I see 'tis true!	
6	25	Th		That face so beauteous once, I vow,	
7	26	F	Enurcius	Does very little please me now—	
8	27	S	Nativ. B. V. Mary.	For Time, that thief, has stolen the red	
9	28	G	15 Sund. aft. Trin.	From off thy cheeks, and thy poor head	
10	29	M		(So loaded once with jetty hair)	
11	30	Tu	Day 12h. 50 m. l.	Has shorn and scrap'd and laid it bare	
12	31	W		Thy smile the rascal's chang'd to a grin!	
13	Sept	Th		And care thy brows has grafted in:	
14	2	F	Holy Cross	Lines of ill-humour too, I find,	
15	3	S		Where dimples once bespoke thee kind:	
16	4	G	16 Sund. aft. Trin.	Thus does the cheat from day to day	
17	5	M	Lambert	Some gifts bestow, some take away:	
18	6	Tu		He's planted corns upon thy feet,	
19	7	W	Ember Week	And giv'n a breath not over sweet:	
20	8	Th		He's pull'd out here and there a tooth,	
21	9	F	St. Matthew.	And lastly (if I must speak truth)	
22	10	S	K. G. III. crowned	He's left—(O, grief! to tell in song!)	
23	11	G	17 Sund. aft. Trin.	He's left (confound the dog!) thy tongue!	
24	12	M		One day the master, Betty's spouse,	
25	13	Tu		Look'd on his wife, and wip'd his brows,	
26	14	W	Cyprian. Old H. R.	As if he'd said, "I feel, my dear,	
27	15	Th		"Some callous substance budding here."	
28	16	F			
29	17	S	St. Michael.	Duch. of Wirtemberg born.	
30	18	G	18 Sun. aft. Trin.	St. Jerome.	

Lond. burnt, 1666. [O. S.]

Cock up thy chin, dear Jenny do,
 Alas! alas! I see 'tis true!
 That face so beauteous once, I vow,
 Does very little please me now—
 For Time, that thief, has stolen the red
 From off thy cheeks, and thy poor head
 (So loaded once with jetty hair)
 Has thorn and scrap'd and laid it bare.
 Thy smile the rascal's chang'd to a grin!
 And care thy brows has grafted in:
 Lines of ill-humour too, I find,
 Where dimples once bespoke thee kind:
 Thus does the cheat from day to day
 Some gifts bestow, some take away:
 He's planted corns upon thy feet,
 And giv'n a breath not over sweet:
 He's pull'd out here and there a tooth,
 And lastly (if I must speak truth)
 He's left—(O, grief! go tell in song!)
 He's left (confound the dog!) thy tongue!
 One day the master, Betty's spouse,
 Look'd on his wife, and wip'd his brows,
 As if he'd said, "I feel, my dear,
 "Some callous substance budding here."

Duch. of Wirtemberg born.
 St. Jerome.

Observations in SEPTEMBER.

M	Clocks
D	after Sun.
1	0 12
6	1 48
11	3 09
16	5 34
21	7 0
26	8 43

Historians write, and poets sing;
The Greeks had gods for every thing,
And goddesses, who were their spouses,
So they had one for ——— houses.

1 V	VI	1 m 40	27		are placed in to hear a point of this
2 18	42	2 56	28		nature argued before us, being
3 20	40	4 24	29	T was well	neither judge nor jury, counsel nor
4 22	38	5 sets	N	he did not	evidence. I have great hopes,
5 23	37	6 a. 38	1	ride my	however, with permission; to allay
6 25	35	6 52	2	wife;	the heat of the contest; and as I
7 27	33	7 6	3		am not retained on either side, I
8 29	31	7 25	4	She'd ne'er	shall manage it with great address
9 31	29	7 49	5	have spoke	and delicacy towards both; and
10 33	27	8 19	6	in words so	afterwards, whether we go on with
11 35	25	8 58	7	civil:	the solar system (in which I am
12 37	23	9 49	8		not altogether unqualified to assist),
13 39	21	10 53	9		or Sancho's story (though I con-
14 41	19	morn	10	Bar flung	fess I like the story best) it is all
15 43	17	0 5	11	and bound'd	the same to me. In the first place,
16 45	15	1 23	12	and on my	I do acknowledge that Mrs. Griffin
17 47	13	2 44	13	life	is a lady of fine parts [Here Mrs.
18 49	11	4 6	14		Griffin bridled up her chin] and
19 51	9	5 rises	15		great good nature.—It is a lie!
20 53	7	6 a 2	16	She'd kick'd	(cried Griffin). Dear sir, (replied
21 55	5	6 24	17	old Balaam	Syntax) if you interrupt me I shall
22 57	3	6 46	18	to the devil.	lose the thread of my discourse—
23 VI	V	7 22	19		and that Mr. Griffin is a wise man,
24 1	59	8 7	20		and a very indulgent husband—
25 3	57	9 7	21		this being premised, I shall argue
26 5	55	10 19	22		<i>pro</i> and <i>con</i> .—Con yourself to the
27 6	54	11 37	23	Blue Beard.	devil! (said Mrs. Griffin) my hus-
28 8	52	morn 24			band is an ill tempered old fool!
29 10	50	0 59	25		Woman of Babylon! (thundered
30 12	48	2 18	26		Griffin) I shall send you to bed
					with a plaster upon your pate.—
					Dear sir, have patience (quoth
					Syntax) Pray, madam, be pacified
					— And now it remains to shew how
					it comes to pass that two persons
					thus endowed, should sometimes
					unavoidably differ in opinion, and
					partly obscure, or excusate,

OCTOBER hath XXXI Days.					M. D.	Declin. South.
New Moon	3	} Day.	5 ho. 57 m. After.		1	3° 12'
First Quarter	11		10 18: Night.		6	5 9
Full Moon	19		1 17: Morn.		11	7 3
Last Quarter	25		4 10: After.		16	8 55
					21	10 44
					26	12 29
☉ enters in 23d day, at 2 ho. 48 m. After.						
1	19	M	Remigius	Whereon the arterial blood, before he-		
2	20	Tu		Was aware, rush'd to his upper story;		
3	21	W		Suborn'd a witness for the crown,		
4	22	Th		And, just forgetting to come down,		
5	23	F		His face inflam'd; twin'd black and		
6	24	S	Faith	red;		
7	25	S	Sund. aft. Trin.	His eyes turn'd up, and set in's head,		
8	26	M		And down he tumbles—not to vex ye,		
9	27	Tu	St. Denys	Dear readers, 'twas an apoplexy;		
10	28	W	Ox. & Cam. Ter. be.	Which, with his wife's good help, they		
11	29	Th	Old Mich. Day.	say,		
12	30	F		Sent him to heaven the old way.		
13	1	S	Trans. K. Ed. Conf.	This was the thing which Time for		
14	2	G	Sund. aft. Trin.	Stout		
15	3	M		Did, as I told you, bring about;		
16	4	Tu		And, in the grave being quickly set, he		
17	5	W	Etheldreda.	Did out of hand wed mistress Betty.		
18	6	Th	St. Luke Evang.	Since which he liv'd, as records tell		
19	7	F		us,		
20	8	S		By quenching thirst, and cramming		
21	9	G	Sund. aft. Trin.	bellies;		
22	10	M		I mean by making out his bill,		
23	11	Tu		After his guests had got their fill:		
24	12	W		At which his conscience was so tough,		
25	13	Th	K. Geo. III. acces	And made of such elastic stuff,		
26	14	F	K. Geo. III. procl	That though he stretch'd it inch by inch,		
27	15	S		In his life he never felt it pinch.		
28	16	G	Sund. aft. Trin.	For several years his active spouse,		
29	17	M				
30	18	Tu		Crispin.		
31	19	W	Day 9 ho. 36 m. 1.	Upheld the credit of his house;		
				St. Simon and St. Jude.		
				Where former guests put up their steeds,		
				And slept that the might warm their		
				beds.		

Observations in October.					M D	Clocks after Sun.
Now is the time for brewing beer.					1	10 21
To lay in store for Christmas cheer.					6	12 31
For hops if quaffa in you put.					11	13 18
Your beverage may be call'd rot-gut.					16	14 21
					21	15 16
					26	15 54
1 VI	V	3 m 35	27			
2 16	44	4 50	28	See Butler.		
3 18	142	5 21	29	Of all four.		
4 20	40	5 21	30	beer good		
5 22	38	5 40	1	folks be-		
6 24	36	6 1	2	ware,		
7 26	34	6 29	3			
8 28	32	7 6	4	This rule		
9 30	30	7 53	5	I give to all.		
10 32	28	8 50	6	As you thro'		
11 34	26	9 57	7	life shall		
12 36	24	11 30	8	move along.		
13 38	22	morn	9			
14 40	20	0 27	10	To let the		
15 42	18	1 47	11	quality be		
16 44	16	3 8	12	strong,		
17 46	14	4 31	13			
18 48	12	5 59	14	The quan-		
19 50	10	D riffs	15	tity not		
20 52	8	5 27	16	small.		
21 54	6	6 9	17	In brewing		
22 56	4	7 5	18	mind this		
23 58	2	8 12	19	maxim		
24 VII	IV	9 35	20	wives.		
25 1	59	10 56	21	If you'd		
26 3	57	morn	22	preserve		
27 4	56	0 15	23	your hus-		
28 6	54	1 32	24	band's lives.		
29 8	52	2 46	25			
30 10	50	3 58	26	Crazy		
31 12	48	5 9	27	Corporal		
			28			

serenity of each other's temper. Now this is one of the most curious problems in the philosophy of the human mind, and the solar system will furnish an admirable simile in the eclipses of the heavenly bodies, which, notwithstanding their beauty and regularity, sometimes cross, and intersect each other's orbits--yet this is no elucidation of the difficulty, for as the poet says, "Similes are like songs in love, They much describe, but nothing prove." Therefore, if you please, I shall consider the subject physically, morally, and sexually; and shew, at some length, the influence of association, domestication, and familiarisation, upon the temper, mind, manners, and conduct of human life; and then make a brief application of my observations and deductions to the matrimonial cohabitation of two persons. In the first place, the animal spirits (about the nature of which philosophers and physicians do not entirely agree) differ very much in momentum and activity--whether this depends upon the elasticity of the nerves, or the tension of the præcordia, or whether in some cases the pancreatic juice becomes a dust, or receives a tincture from the *jucaulis irascibilis*, or lastly, whether the chyliferous vessels, or more properly, the lacteals applying their absorbent and con-

NOVEMBER hath xxx Days.

M	D	Declin.
		South.
1	14	28
6	16	2
11	17	28
16	18	47
21	19	58
26	20	59

New Moon 2 } 10 ho. 50 m. Morn.
 First Quarter 10 } Day } 3 19 After.
 Full Moon 17 } at } 11 1 Morn.
 Last Quarter 24 } 4 21 After.

☉ enters ♌ 22d day, at 11 ho. 5 m. Morn.

1	20	Th	All Saints.	
2	21	F	Duke of Kent bo.	All Souls.
3	22	S	Prs. Sophia born.	On mor. of All Souls. 1 ret.
4	23	G	23 Sund. aft. Trin.	K. William landed.
5	24	M	Powder Plot 1605.	
6	25	Tu	Mich. Term beg.	Leonard.
7	26	W		
8	27	Th	Prs. Aug. Sophia b.	By these, the arts of all the trade,
9	28	F	Ld. Mayor's Day.	He soon a handsome fortune made;
10	29	S		Had houses here, and there had lands,
11	30	G	24 Sund. aft. Trin.	St. Martin.
12	31	M	On mor. of St. Mar.	Camb. Term divides Mid.
13	Nov.	Tu	Britius. [2 r	
14	2	W		And sums of money in safe hands:
15	3	Th	Machutus.	But growing old he slack'd the reins,
16	4	F		And partly spar'd his former pains.
17	5	S	Hugh, Bp. of Lin.	His wife besides was growing fat,
18	6	G	25 Sund. aft. Trin.	And all her charms were out of date:
19	7	M	In 8 d. of St. M. 3 r.	So, close to keep what he had got,
20	8	Tu	Edmund K. & Mar.	He smok'd his pipe and drank his pot.
21	9	W		But, over all his large possessions,
22	10	Th	Cecilia.	With which the devil his transgressions
23	11	F	St. Clement.	Thought proper to reward, and keep
24	12	S		Old St. Martin.
25	13	G	26 Sun. aft. Trin.	D. of Glost. born.
26	14	M	15 Days of St. Mar.	His drowsy conscience fast asleep;
27	15	Tu	[4 ret.	He had a good round sum in gold,
28	16	W	Mich. Term ends.	Which every day he turn'd and told
29	17	Th	Day 8 ho. 8 m. 10.	In his own chamber-desk up stairs,
30	18	F	St. Andrew.	He kept the object of his cares,
				That under lock and key did lie
				Safe as the apple of his eye.

Observations in NOVEMBER.

M	Clocks
D	after Sun.
1	16 14
6	16 19
11	15 46
16	14 59
21	13 52
26	12 25

Now nights are dirty, dark, and long,
 Each wife man blest'd with ale that's strong;
 I'll ten o'clock or more carouses,
 Then go to bed and kiss their spouses.

1 VII	IV	6 m 19	29		cocting powers anomalously—
2 15	45	D sets	N		Mercy upon us! (cried Griffin)
3 17	43	4 a 33	1	A little hope	what the devil is all this? The
4 19	41	5 9	2	mix'd with a	solar system is a fool to it! The
5 21	39	5 51	3	deal of ale,	solar system is infinitely preferable
6 22	38	6 45	4		(quoth Trigon) as it proceeds upon
7 24	36	7 49	5		mathematical principles—while this
8 26	34	9 9	6	To cheer the	jargon of my friend Syntax (begging
9 27	33	10 13	7	heart was	his pardon) is totally incompre-
10 29	31	11 28	8	never known	hensible. However, he has been
11 31	29	morn	9	to fail.	guilty of an error in stating the
12 32	28	0 45	10		cause of eclipses, which I shall
13 34	26	2 4	11	Then take	previously rectify, and then pro-
14 36	24	3 26	12	my counsel;	ceed as before-mentioned, first in-
15 37	23	4 52	13	think it not	tending to explain to you the use
16 39	21	6 21	14	a jest;	and meaning of the forty-nine pre-
17 40	20	D rises	F		paratory definitions.—Here Sancho
18 42	18	4 a 49	16		snored so loud, that he totally dis-
19 43	17	5 55	17	Tis a good	composed the attention of the whole
20 44	16	7 12	18	cordial et	auditory, and Trigon was horribly
21 46	14	8 34	19	probatum est.	mortified, having so luckily got his
22 47	13	9 57	20		solar system afoot again. But Grif-
23 48	12	11 16	21		fin was overjoyed, and declared
24 50	10	morn	22		with a laugh, he delighted in wind-
25 51	9	0 32	23		music, and to confirm his remark,
26 52	8	1 45	24		let a s—t.
27 53	7	2 56	25	Gabriel	It is hard to say how these sub-
28 54	6	4 7	26	Gruel.	jects would have been carried
29 56	4	5 17	27		on, or which would have got upper-
30 57	3	6 27	28		most, had not Dr. Galipot popped
					in at this critical juncture to call
					upon Mrs. Griffin in the way of his
					profession. The good lady was
					horribly troubled with the megrims
					(like the wives of many other un-
					fortunate men who are rich enough
					to get diseases and pay doctor's bills)
					that is to say, she ailed a great deal

DECEMBER hath xxxi Days.

M D Declin.
South.

New Moon	2	} Day at }	5 ho. 35 m. Morn.
First Quarter	10		5 45 Morn.
Full Moon	16		9 18 Night.
Last Quarter	23		8 1 Night.

1	21° 51'
6	26 32
14	28 2
16	23 21
21	23 28
26	23 23

2^d 21st day, at 11 ho. 27 m. Night.

1	19	S		I know it needs must be allow'd,
2	20	G	Advent Sunday.	That riches often make men proud;
3	21	M		And sooner we the longitude
4	22	Tu		Shall find than that they make him good;
5	23	W		But why (can any here of you tell)
6	24	Th	Nicholas.	Should they have power to make him
7	25	F		cruel?
8	26	S	Conc. of Vir. Mary	In Euclid, I know not that problem,
9	27	G	3 Sund. in Advent	Ev'n had I brains enow to cobbler'm;
10	28	M		(So deep in doubt it is involv'd)
11	29	Tu		By which the question could be solv'd:
12	30	W		But to our tale it does not need,
13	Dec. 1	Th	Lucy.	We'll take the fact; and so proceed:
14	2	F		Stout had a boy who was as thin:
15	3	S		As Stout was thick, all bones and skin;
16	4	G	3 Sund. in Advent	In truth young Richard was as poor as
17	5	M	Oxford Term end.	Don Quixote's self, and had as fore a
18	6	Tu		O Sapien. Cam. Tem ends.
19	7	W	Ember Week:	With kicks, as t'other, if a straddle;
20	8	Th		He had, for aye, without a saddle,
21	9	F	St. Thomas.	Rode Rosinante.—Now, good folk,
22	10	S		I'm just arriving at the joke—
23	11	G	4 Sund. in Advent.	And what I first began about,
24	12	M		To shew how Dick outwitted Stout;
25	13	Tu	Christmas Day.	But as I find no more tobs here,
26	14	W	St. Stephen.	I'll write the rest another year:
27	15	Th	St. John. Ev.	'Till then farewell! I say't with sobbing;
28	16	F	Innocents.	But pray, be sure, buy next Poor Robin.
29	17	S		
30	18	G	1 Sund. aft. Christ.	
31	19	M	Silvester.	

Observations in DECEMBER.

Observations in DECEMBER.				M D	Clocks after Sun.
Now, those who store have of old beer				1	10 39"
With drunken fun conclude the year;				16	8 37
While I for want had down my head,				11	6 22
And sober go, hard fate! to bed,				16	3 59
				21	1 30
				26	1 B. 0
1 VII	IV	7	35 29		
2 59	1	D sets	N	Mince Pies	often (as she described her symp-
3 VIII	III	4	34 1	Old Stout.	toms to the doctor) felt herself all
4 9	69	5	36 2		over she did not know how. But
5 10	59	6	42 3	Sir Loin.	the doctor, seeing, to much good
6 11	58	7	53 4		company together, and it being,
7 12	57	8	6 5	Now the	therefore, an inconvenient time to
8 13	56	9	21 6	year's at an	ask any apothecary-like questions
9 14	56	10	37 7	end,	(such as how the went on for stools,
10 15	55	morn	8	Enough I	&c. &c.) he very readily pulled a
11 16	55	0	34 9	have penn'd,	chair, and edged himself into the
12 17	54	2	14 10	And I	rigg to taste his friend Griffin's
13 18	54	3	38 11	must give	Christmas ale.
14 19	53	5	7 12	over my	Mr. Galipot (quoth Griffin) you
15 20	53	D rises	F	writing,	are just time in pudding time! (as
16 21	52	4	29 13		the saying is) to settle a very im-
17 22	52	5	55 14	And if I	portant dispute between these two
18 23	52	7	19 15	live near	learned men—or at least, to listen
19 24	52	8	42 16	To your	to them in any stead; while I hear
20 25	52	10	2 17	Christmas	a bob with my neighbour Sancho.
21 26	52	11	19 18	cheer,	So saying he drank to the doctor
22 27	52	0	32 19	I'd come	and the company. Sancho was not
23 28	53	1	44 20	without any	so fast asleep but he heard the
24 29	53	2	55 21	inviting.	bank and snapp and bridled up his
25 30	53	4	5 22	Dorothy	ears like an old sow in a pease-land,
26 31	54	5	13 23	Draggle	had made him to get his eyes rub-
27 32	54	6	17 24	tail.	bed open by the time he came to
28 33	55	7	11 25		his turn to drink. You have lost an
29 34	55	7	52 26		excellent <i>driz yf</i> Sancho, Mrs. Sancho,
30 35	55	7	52 27		(says Mrs. Griffin). Spare to spend
31 36	55	7	52 28		(quoth Sancho) how many times
32 37	55	7	52 29		has this bankard been sound? Six
33 38	55	7	52 30		(quoth Griffin). So much the better
34 39	55	7	52 31		(said Sancho) words are but wind—
35 40	55	7	52 32		good ale is better than long speeches
36 41	55	7	52 33		—I have six draughts due to me, and
37 42	55	7	52 34		happy man be his dole. So saying
38 43	55	7	52 35		he drank to each person separately.

A TABLE of Terms and their Returns. 1804.

*Very necessary for all those who are so unfortunate
as to be obliged to go to Law.*

Hilary Term begins Jan. 23, ends Feb. 13.

Returns or Essoign Days.	Jan.	Ex.	Ret.	Ap.	
On the Octave of St. Hilary	20	21	22	23	
In 15 days from the day of St. Hilary	27	28	29	30	Mo.
On the Morrow of the Purif. B. V. M.	Feb. 9	4	5	6	Mo.
On the Octave of the Purif. B. V. M.	9	10	11	12	Mon.

Easter Term begins April 18, ends May 14.

In 15 days after Easter	April 15	16	17	18	Wedn.
In 3 weeks from Easter Day	22	23	24	25	Wedn.
In 1 month from Easter Day	29	30	31	1	Wedn.
In 5 weeks from Easter Day	May 6	7	8	9	Wedn.
On the Morrow of the Ascension	11	12	13	14	Mon.

Trinity Term begins June 7, ends June 20.

On the Morrow of the Holy Trinity	May 28	29	30	31	Friday
On the Octave of the Holy Trinity	June 3	4	5	6	Wedn.
In 15 days from the Holy Trinity	10	11	12	13	Wedn.
In 3 weeks from the Holy Trinity	17	18	19	20	Wedn.

Michaelmas Term begins Nov. 6, ends Nov. 28.

On the Morrow of All Saints	Nov. 3	4	5	6	Tuesd.
On the Morrow of St. Martin	12	13	14	15	Thursd.
On the Octave of St. Martin	19	20	21	22	Wedn.
In 15 days of St. Martin	25	26	27	28	Wedn.

N. B. No sittings in Westminster-hall, on Candlemas Day, Ascension Day, and Midsummer Days.

The Exchequer opens eight days before any Term begins, except Trinity, before which it opens but four days.

Note: That the first and last days of every Term, are the first and last days of appearance.

A Lawyer's conscience, I've been told, Which eases fits, and grows more wide,
Is like a stocking that grows old; Being stretch'd and pull'd from side to side.

POOR ROBIN,

1804,

PART THE SECOND.

Whose whole contents you'll best discover
By sitting down and looking over.

Golden Number 10 | Cycle of the Sun 21 | Dominical Letters A.C.
The Epact 18 | Roman Indiction 7

ASTRONOMICAL CHARACTERS.

PLANETS.

- ☉ The Sun.
- ☾ The Moon.
- ☿ Mercury.
- ♀ Venus.
- ♂ Mars.
- ♃ Jupiter.
- ♄ Saturn.
- ♅ Herschel.
- ♊ Ascending Node.
- ♋ Descending Node.
- ♌ Conjunction.
- ♍ Opposition.

SIGNS of the ZODIAC.

- ♈ Aries.
- ♉ Taurus.
- ♊ Gemini.
- ♋ Cancer.
- ♌ Leo.
- ♍ Virgo.
- ♎ Libra.
- ♏ Scorpio.
- ♐ Sagittarius.
- ♑ Capricorn.
- ♒ Aquarius.
- ♓ Pisces.

THE ANATOMY.



My learned brethren of the quill,
This figure print to them their skill

Which whosoever best explains,
Defends a fiddle and a fiddle's gains

The Use of the TABLE of the Moon's Southing, to find the time of High-Water, and the Hour of the Night.

I. To find the time of High-Water in most Parts of ENGLAND, &c. &c.

Take the time of the Moon's Southing for the day proposed, and to that add the hours and minutes which stand against the place required in the following Table of Sea-Coasts, and the sum will be the time of High-Water at the place required on that day.

A Table of the Sea Coasts, H. M.

Portsmouth, Queenborough, Southampton,	0	00
Rochester, Winchelsea, Flushing,	0	45
Downs, Gravesend, Ramkins, Guernsey,	1	30
Denbigh, Bell-Isle, Holy-Isle, Downs-Road,	2	15
London, Tinnmouth, Whitby, Hartlepool,	3	00
Scarborough, Berwick, Flushing, Staples,	3	45
Flamborough, Humber, Bridlington-Bay,	4	30
Plymouth, Ramsey, Newcastle, Severn,	5	15
Lynn, Fosdyke, Hull, Weymouth, Dartmouth, Cross-Keys,	6	00
Boston, Start-Point, Foulness, Bristol Key,	6	45
Bridgewater, Milford-Haven, Lizard, Winterton,	7	30
Yarmouth, Isle of Wight, the Needles,	8	15
Isle of Man, Orkney, Pool, South-Forland,	9	00
Dover, Harwich, Orfordness, Bullein,	10	00
Rye, Solebay, Margate-Road,	11	15

II. To find the Hour of the Night by the Shadow of the Moon on a Dial.

1. When the shadow falls precisely on the hour 12, then the time of the Moon's southing, found in the preceding Table, is the exact time of night. But in other cases,

2. If the shadow wants of 12, see how much it wants of it; Which time subtracted from that of the Moon's southing, leaves the time of night. *Note.* You must add 12 hours to the Moon's southing, if need be.

3. If the shadow has past 12, add the time that it has past it to the time of the Moon's southing; the sum will be the time of night required; abating 12 hours from that sum, if need be.

EXTRAORDINARY HISTORY,

WITH AN

ELEGANT EXORDIUM,

AND AN

AFFECTING PROPHET.

Temper in Lachrym.

Vizoli.

IT has been customary, kind reader, as thou very well knowest, to begin the second part of this delectable performance with an account of "the ECLIPSES of those glorious luminaries the Sun and Moon, which will happen in the course of the revolving year," as my worthy friend Mr. Season would say on such an occasion: but, as I am confident that I am an *original* genius, I mean to carry on this work in an original way, and shall therefore say no more about the Eclipses, until I have acquainted the public with some matters of high importance, even those heart-rending particulars which I alluded to in my preface, and which I shall now proceed to describe, not in a zig-zag, circumbendibus manner, but in a straight-forward plan of my own invention, and which will soon conduct to the end of a truly affecting narration.

I dare say many of the gentle readers of *Poor Robin* got by heart the prophetic conclusions with which my dear father terminated his Almanack for 1791: it ran thus—

"If life should remain,

"You'll hear from me again;

"I think I may say there's no fear of it,"

"But if that's almost past,

"Why then this is my last,

"And so *Horfield* be sure you take care of it."

Yes, gentle reader, no doubt Mr. *Horfield* would take care of it, for my father used to visit him at Stationers-Hall

once in seven years; and a most delicious treat it was to him I can assure you: why, when he came back, he used to look so plump, round, and jolly, that his wife hardly knew him; but her confounded scolding, together with his hard fare, usually reduced him in three or four months to his former lank dimensions. You must know, that since I have arrived at the full possession of my paternal inheritance, I have received very warm invitations to visit Stationer's-Hall myself; and really my mouth waters at the bare idea of partaking of such luxurious repasts as would be there set before me. But, alas! the cursed coach-hire is so infamously expensive, that I cannot afford to ride, even on the roof; and as my shoe-soles are quite worn out, I cannot walk, so that I must stop at home; and to divert my mind under so heavy a disappointment, shall now relate my story.

I was born in the year of our Lord 1770; and, being the first born son, was christened Robert, and looked upon as the heir of all my father's property and expectations, which latter were by far more extensive than the former. Shortly after my birth my mother died, which was one of the reasons why my father never had any more children lawfully begotten; he not marrying another wife until he was turned of threescore—an age at which men are in great danger of doing foolish things. She led my father the devil of a life, to speak the plain truth; and though he was a man of exemplary patience, he now and then would revenge himself on her by smart turns of wit in his Poor Robins, as my readers, I dare say, will recollect very well. I had my share of his sufferings, without possessing much of his patience; and when I was about two-and-twenty, out of pure good will and complaisance, I married a niece of hers, and according to the old proverb of "Set a thief to catch a thief," the two women quarrelled so eternally together, that my father and I often saved our ears a drubbing by the expedient; and had not the women obliged us to lie with them of nights, (for I cannot properly say, *sleep*) we should have had some comfort of our lives.

It pleased heaven to remove my mother-in-law (for I do not chuse to say *take her*) about half a year before my father—a blessing which he had long silently prayed for—and the joy of which caused him to shed abundance of tears, which were placed to a proper account at her funeral. Not caring to shew her any public mark of disrespect, nor chusing to burden his old soul with placing a lie on her grave-stone, he

he desired me to draw up an epitaph. Whereupon, after infinite attempts, and all unsuccessful, to give her some praise without doing violence to truth, I produced only the following couplet:

“Beneath this mould’ring stone lies still at last

“A woman’s tongue—in Death’s kind jaws set fast.”

With which he was very well satisfied, and declared it sufficiently bespoke the merits of the deceased. Only he took care to alter the word *stone* to *turf*; saying, that he should insert the epitaph in his next year’s Poor Robin—not intending to make any provision in his will for procuring her a grave-stone, in whose praise nothing could be said. Alas! alas! my poor father was fated to follow her before the next year’s Poor Robin was written; and not thinking my understanding sufficiently matured to be entrusted with the authorship of so grave and important a work, he appointed a deputy by will, leaving me a minor until I should have completed the age of thirty-two.

This, my dear reader, has occasioned the long

INTERREGNUM

IN THE
HISTORY
OF OUR
AFFAIRS,

which has intervened since the year 1792; and the dullness with which thou hast all that time been pestered; as will be proved to demonstration in the next two pages.

A correct TABLE of the MOON'S SOUTHING, calculated
one who has any thing to do with

M.	Jan.	Feb.	March.	April.	May.	June.
D.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.
1	3M. 14	3M. 43	3M. 4	4M. 18	4M. 55	6M. 3
2	3 57	4 25	3 48	5 10	5 45	6 49
3	4 38	5 8	4 36	6 3	6 34	7 37
4	5 17	5 54	5 26	6 55	7 22	8 29
5	5 57	6 42	6 18	7 46	8 9	9 24
6	6 39	7 33	7 11	8 36	8 58	10 24
7	7 23	8 27	8 5	9 26	9 49	11 28
8	8 9	9 22	8 59	10 16	10 44	Aft. 33
9	8 59	10 16	9 51	11 7	11 44	1 37
10	9 52	11 9	10 42	Aft. 1	Aft. 47	2 36
11	10 46	Aft. 1	11 32	0 59	1 52	3 30
12	11 41	0 51	Aft. 23	2 0	2 56	4 19
13	Aft. 34	1 40	1 15	3 3	3 57	5 4
14	1 25	2 29	2 9	4 7	4 53	5 46
15	2 15	3 20	3 6	5 8	5 43	6 27
16	3 2	4 13	4 6	6 5	6 29	7 8
17	3 49	5 9	5 8	6 57	7 12	7 50
18	4 37	6 8	6 9	7 44	7 53	8 34
19	5 27	7 8	7 7	8 28	8 33	9 20
20	6 20	8 8	8 1	9 10	9 14	10 8
21	7 17	9 5	8 51	9 51	9 57	10 59
22	8 16	9 58	9 38	10 32	10 41	11 51
23	9 17	10 48	10 21	11 13	11 28	Morn.
24	10 17	11 34	11 3	11 57	Morn.	0 42
25	11 13	Morn.	11 44	Morn.	0 17	1 33
26	Morn.	0 17	Morn.	0 42	1 9	2 22
27	0 6	0 59	0 25	1 30	2 0	3 10
28	0 55	1 40	1 8	2 20	2 51	3 56
29	1 40	2 21	1 52	3 12	3 41	4 41
30	2 22		2 38	4 4	4 30	5 28
31	3 3		3 27		5 17	

for the YEAR of our LORD 1804, highly necessary for every
 ber, either by Land or Water.

M	July.	Aug.	Sept.	Octob.	Nov.	Dec.
D	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.
1	6M.16	7M.54	9M.48	10M.16	11M.11	11M.22
2	7 8	8 56	10 39	10 59	11 50	Aft. 11
3	8 4	9 58	11 26	11 42	Aft. 42	1 11
4	9 4	10 56	Aft. 10	Aft. 25	1 31	1 51
5	10 8	11 51	0 54	1 9	2 21	2 46
6	11 12	Aft. 41	1 37	1 55	3 11	3 27
7	Aft. 14	1 27	2 20	2 42	4 1	4 12
8	1 11	2 10	3 5	3 32	4 50	4 56
9	2 3	3 53	3 51	4 22	5 37	5 40
10	2 51	3 55	4 40	5 13	6 23	6 25
11	3 35	4 19	5 30	6 4	7 9	7 12
12	4 17	5 4	6 21	6 53	7 55	8 2
13	4 59	5 50	7 13	7 42	8 42	8 57
14	5 41	6 40	8 5	8 30	9 33	9 56
15	6 24	7 31	8 55	9 17	10 27	11 1
16	7 9	8 23	9 45	10 6	11 27	Morn.
17	7 57	9 15	10 33	10 56	Morn.	0 12
18	8 47	10 7	11 22	11 50	0 30	1 19
19	9 19	10 58	Morn.	Morn.	1 36	2 12
20	10 31	11 47	0 11	0 47	2 41	3 6
21	11 23	Morn.	1 2	1 48	3 42	3 50
22	Morn.	0 35	1 57	2 52	4 38	4 43
23	0 14	1 22	2 54	3 56	5 29	5 26
24	1 3	2 11	3 55	4 58	6 15	6 18
25	1 50	3 20	4 57	5 55	6 59	6 15
26	2 36	3 55	5 59	6 48	7 41	7 39
27	3 23	4 52	6 58	7 36	8 24	8 11
28	4 11	5 52	7 53	8 21	9 1	9 15
29	5 1	6 54	8 44	9 4	9 48	9 54
30	5 55	7 55	9 31	9 46	10 34	10 44
31	6 53	8 53		10 28		11 34

On the first of January, 1792, my father was seized with his last illness; and all his family was mustered around his bed-side to hear the last accents of wisdom with which he was born to enlighten mankind. There was me and my wife Jenny all beslobbered in tears (God knows she had cause enough to fret, for our revenue expired with his genius) and my uncle Solomon and his wife Dinah, or Diana, as she chose to call herself, because forsooth she never bred) and my two maiden aunts, Deborah and Bridget. In the back ground there was Bridget's old tabby cat, in the character of poverty; and famine stalked in at the door in the person of a journeyman curate, who piously came to administer consolation to the soul of the dying man; and lastly, to complete the picture, his presence was finely contrasted by that of a rosy son of *Æsculapius*, provided by the bounty of my uncle Solomon, who, for the fee of a guinea, felt my father's pulse *secundum artem*, with the most exquisite grimace, and prognosticated very gravely, "That if the sick man did not live till morning, the disorder would certainly kill him." Whereupon my aunt Deborah gave a grunt, Bridget uttered a sigh, Solomon shook his head, Dinah twisted up her mouth, my dear Jenny roared like a calf, the curate smiled, and old tabby turned half round on her rump.

My father's head being raised upon a bundle of his deceased wife's petticoats, for want of a pillow, thus addressed his gaping auditory: "My dear friends and relations, Death has got astride upon my old carcase—the devil confound him!" "Amen," said the curate: "and rides me post haste towards his dark and comfortless abode." "It is true he rides but a sorry jade at the best, and had need to have a pretty hard breech to sit such a lank-sided, way-worn, hag-ridden hackney.—What then? the journey is but short, and the horse and his rider are so much akin, that there is not an ounce of flesh on both their bones. My greatest comfort is, that in the place where I am going there is abundance of room, and if I can creep into some hale or other, where my wife cannot find me, I shall be happy enough."

Here my aunt Dinah turned up her nose, uncle Solomon coughed, Deborah and Bridget looked askint, the curate stared, and the doctor pronounced that my father's *pinéal* gland was affected. Whereupon, being somewhat nettled with the disrespect cast upon my father's intellects (for I thought

thought he spoke very sensibly) I did that which made a very great upsur at that time in our neighbourhood; I caught up the remains of a blister-plaster which had just before been taken off my father's buttocks, and applied it with such dexterity and good will, that it sealed up the doctor's mouth as effectually as if he had had a locked jaw. The doctor felt the indignity, and not being able to discharge his fury by words, he did what answered his purpose full as well; that is to say, he discharged the contents of his stomach, and with such plenitude and zeal, that he bespattered my uncle Solomon's wig, who, shaking the dishonour from his locks, a bit of half-digested meat fell into my aunt Dinah's lap. The dogs of discord were now unkenneled—Dinah opened her mouth, and out flew a torrent of water-gruel on which she had made her frugal dinner; Deborah and Bridget contributed each half a red herring; and old tabby took the opportunity of breaking her fast, which she performed with incredible voracity and dispatch. This, my dear reader, is the pathetic story that I told thee of; and, excepting that I have an unhappy knack at a doleful tale, the scene was really very moving; for in the midst of all this bustle and confusion, my poor father silently moved off into the other world; the doctor moved out of the room in a great passion; the condition of the women was moving enough, who had expended each a very good meal in a foul cause; and my uncle Solomon moved towards the bed, and closed my father's eyes with a gravity becoming the occasion.



My father was buried in a few days, and, as little need be said concerning so obscure a funeral (for there were neither mourning coaches with merry inside passengers, nor nodding plumes, nor long-tailed black horses, hearse, nor hatchment). I shall proceed to a matter of more importance, wherein my reader is equally concerned with myself, namely, my father's will; which, after the usual preamble, ran thus:—

Old Poor Sir Robin's last Will and Testament.

Imprimis.—I give and bequeath to my dear son Robert, all my estate, or estates personal and real, with all the rights and hereditaments, appurtenances and privileges thereto belonging; particularly, and by name, I give and bequeath to him the BURNT ISLAND, with the legal title thereto annexed, which shall descend through him, if Providence orders it so, to the heirs male of his body lawfully begotten, and no otherwise, for ever, the residue of my real estates; as I do not exactly know where they lie, I shall not particularize.

Item.—I do also give and bequeath to my aforesaid son Robert (for I have no other that I know off) all the right and title, authorship, and proprietorship (excepting what is vested in the worshipful Company of Stationers) of my beloved Almanack Poor Robin; having taken all due pains to qualify him thereto; and it is the intent and meaning of this my will, that he shall print therein nothing but sage maxims, and sapient instructions, paying particular regard to decency and good manners, after my own example, to which I always mean he should refer; provided: my dear brother Solomon do write, arrange, and publish the same, until my aforesaid son Robert arrive at the age of thirty-two, for which I have thirty-two substantial reasons not necessary to be here enumerated.

Item.—During this interval, the profits shall go towards the maintenance of my aforesaid son Robert and his wife Jenny.

Item.—I give and bequeath to my aforesaid son Robert, all the contents of my strong box, which shall in no wise be opened until his legal majority, according to the meaning of this my will; namely, on the first of January, 1803; wherein will be found all my books and manuscripts, and those rare and valuable. Among the latter, numberless delicate poems, with the beginnings of several grave stories, together with the legitimate continuation of Griffan's Christmas Feast, the speeches of Syntax and Trigon, the humors
and

and has, of, Martext, and the proverbs of Sanchez. In the right hand corner, at the bottom, is the marriage and other exploits of young Squire Beetle and his two servants, Glod and Blunder, which, at a dead lift, will help to furnish out a Poor Robin a dozen years hence. Among my books there are the remains of many volumes on astrology, which I have used these twenty years, last past, for burn-fodder, and when these are exhausted, I charge my aforesaid son Robert to apply to the same use the works of such of his brother Diarians, as cast figures and write down the weather.

Item.—I give and bequeath to my dear sister Deborah, one dough-trough, for which I have had no use these many years. I should have sold it to buy bread; only 'tis was so rotten it would not bear removing.

Item.—To my dear sister Bridget, one joint stool to rest her old rump on. There was formerly a leather cushion to it, which has been from time to time all patched upon my old breeches, to which she has, therefore, a legal claim. Thanks to the astrologers before-mentioned, they are decently clean and sweet.

Item.—To my dear brother Solomon, a very personall bob-wig to cover his wife's bald pate. My hat would have gone with it, but that it has been all used long ago to sole my shoes.

Item.—To my dear sister Dinah, I give and bequeath an old china piss-pot, the handle of which was knocked off during the turbulent times under Oliver Cromwell.

Item.—To my daughter-in-law Jenny, hereafter Lady of the Blunt Island, I give and bequeath as follows: (viz.) all my household furniture, excepting what is heretofore specified, comprising all the requisites for three useful rooms; stout and good, which shall be rehearsed in order, that no law-suits may occur; which, living and dying, I do inex-pressibly abhor. First, in my study, one pewter chamber-pot, one horn tobacco-pipe of Dutch extraction, one oak stool, and ditto writing-desk. The desk she may give to her husband, and the horn, if she thinks proper. There is also an old gridiron on which I burnt a little charcoal, and sometimes roasted a red-herring. Second, In my late wife's sitting-room, two rush-bottomed chairs, and one wicker ditto, armed, with a convenient hole in the bottom; one claw table, made in king William's time, and a grate very
little

little the worse for wear. Third; In our bed-room, one stone chamber-pot, and ditto close-stool-pan, which fits the wicker chair below; one flock-bed, one blanket, half a sheet, and a quilt of very curious patch-work; also two chairs, one wanting the back, and the other has no bottom. Lastly, In my cellar there are two kilderkins, the bottoms of which have dropped out for want of use.

This, my dear reader, is all that is material of my late father's will, which was read, according to the common form, in presence of all the parties, who maintained great decorum, shed a reasonable quantity of tears, and were inwardly much gratified with their several bequests; particularly my aunt Dinah, who (as the phrase is) had hung her nose over the china-jimkin these twenty years past.

And now I must hasten to the Eclipses and Seasons, and so make an end for this year; which I am very loath to do, my dear reader, because we are but just getting acquainted, and I am now in a humpur to talk. But the Company of Stationers are inexorable, and though I have many curious particulars to entertain thee with respecting Deborah and Bridget, my uncle Solomon and aunt Dinah, they must lie upon the shelf till another year, and I shall conclude the present history with a very pathetic and touching Epitaph on my late father, which I composed myself without stealing from any author, and without the assistance of a single literary friend.

THE EPITAPH.

- “ Of Robin Poor what can be said;
- “ But that, alas! Poor Robin's dead.
- “ And adds, to millions gone before,
- “ Of Life how short, just one proof more.”

OF THE ECLIPSES.

ALL the Astronomers and Astrologers, who grow wiser every year, in consequence of the perusal of my learned annual Lucubrations, know; by heavy experience, how difficult it is to calculate the number and circumstances of Eclipses for any year to come: but when I looked over the manuscripts in my dear father's *Strong-Box*, I found out the secret; and to convince you of it shall shew you how to calculate the number of Eclipses in the year 1805. Observe, now; put $a=64$, $c=4$, $x=a$, and y = the number of Eclipses, then

$y = \sqrt{x + c} = 8$, the number of Eclipses in 1805. "I thank you, dear Sir Robert; and now, pray shew us how many of the six are visible, and describe their duration and phases." Not so fast, my friends; not so fast! I shall not divulge this important and curious information till I write my Almanack for next year; but shall now describe the Eclipses of the present year 1804, in a very accurate and scientific manner, as below.

Of all the Eclipses? No—that will not do.
 Of how many then? Suppose I say two?
 In which all my readers I hope would agree,
 For in watching the year out no more they could see.
 His Majesty's coach would eclipse, I dare say,
 An oyster-girl's wheel-barrow over the way;
 But what of all that? and his lordship's *Miss Ure*
 In her phaeton would virtue eclipse, I am sure;
 For mostly in pattens she trudges on foot;
 And rags are eclips'd by a holiday suit.
 But these pass unseen, and a great many more,
 Some total, and others in digits a score;
 Besides of the Sun *six*, and *one* of the Moon,
 Which last will occur in the month after June.
 But softly, good friends, and in prose I'll relate
 Two visible ones—their duration and date.

I. January 26th. The Moon will be visibly eclipsed: begins $57\frac{1}{2}$ m. past 7 in the evening: Ecliptic opposition $58\frac{1}{2}$ m. past 8: middle of the Eclipse 7 m. past 9—and end $16\frac{1}{2}$ m. past 10 the same evening. The quality will see nothing of this Eclipse, being just sat down to dinner: great shoals of honest people will miss it, being just sat down to supper; and it will not be visible to any good little boys and girls, because they are all gone to bed. So that this Eclipse will only be seen by hackney coachmen and highwaymen, if it be not cloudy; and stage-coach drivers, if they travel east; and watchmen that are not asleep; all these, and a few scatter-brained Astrologers, if they watch the planetary moment already specified, will see Digits eclipsed $4^{\circ} 44'$ on the Moon's south limb.

II. February 11th, there will be a visible Eclipse of the Sun; begins 27 m. past 10 in the morning. Greatest obscuration will be at 39 m. past 11; and the end at 55 m. past noon. Digits eclipsed $8^{\circ} 36'$. Fashionable people, whose windows have an eastern aspect, will have a good opportunity of seeing this eclipse *in cunctis* before they step into bed. My dear Lady Slouch, where is my Poor Robin's Almanack? Here, Sir Solomon. I think, Sir Solomon, the Eclipse of the Sun happens to-night? To-night! Lady Slouch! This morning you mean. Do make haste, my dear, and help me off with these breeches, for I am determined to see the sport. What sport, Sir Solomon? What sport! Why Phœbus and Luna in conjunction to be sure. Lud-a-mercy! Sir Solomon, don't make use of such beastly expressions! Beastly! my Lady; why they are astronomical expressions. Aye, I warrant me! your astronomers are people of liquorish imaginations! Lud bless me! I protest I am all of a twitter. There! my Lady, there it is! The Moon this instant touches the Sun's Disk! The Sun's what? Disk, my Lady, 122 degrees from his vertex on the right hand.

III. July 22d. The Moon will be eclipsed, but we shall be unable to see it; merely because she does not please to rise in time; so I shall say no more about it.

IV. August 5th. The Sun will be eclipsed, but invisible here. It will be centrally eclipsed on the meridian 24 m. past 4, P. M. in Long. $66\frac{1}{2}$ W. Lat. 38° S. And it will be a beautiful *annular* Eclipse in the *Burnt Islands*, and also in Utopia, and in Prester John's country; but it will be invisible there likewise, there being no inhabitants to see it.

V. Decem-

V. December 31st. The Sun will be eclipsed again, but invisible here; for a reason my readers are left to guess at.

I must not forget to inform the kind reader in this place, that Jupiter and Venus continue, as formerly, to play their annual gambols of hide and seek. VENUS will peep out in the evening, till the 4th of August; after that she takes a morning leer at the god Jupiter till the year ends; that is, as my brother Diarians say, Venus will be an *Evening Star* till the 4th of August; then a *Morning Star* for the rest of the year. JUPITER will be a *Morning Star* till the 21st of April; then an *Evening Star* till the 8th of November; then a *Morning Star* to the year's end.

When I look up I always think,

I'd rather see a can of drink

Than all your Sols and Lunas bright,

Obscuring one another's light.

And when I take my telescope,

To peep at Stars, I often pop

The little end into my mouth,

And turning round from north to south,

In quest perhaps, of Comet's tail,

I wish the glass would gush out ale!

That Planet's kindly influence may

Shed on their heads, your Poets pray.

But, oh! may all the stars that shine

A bottle each bestow on mine.

OBSERVATIONS ON THE SEASONS.

There are three principal ways of informing readers concerning the commencement of the Four Seasons, viz. The **ASTRONOMICAL**, the **NATURAL**, and the **DESCRIPTIVE**. The first is used by Almanack-makers to shew their learning; which they are afterwards obliged to explain by the second to prove their understanding, the last they exercise for no other purpose but to exhibit their genius, in which, if the reader has any brains, he may know whether they succeed or not. Here follows an example of each method, and my readers may take which they please.

1st. According to Astronomy.

Sol enters the first scruple of Aries precisely March 20th at 7h. 3 m. P. M. That is to say,

2d. In the Language of Common Sense.

The **SPRING** Quarter commences on the 20th of March, at 3 m. past 7 in the Evening. By the first, my dear reader, thou may'st have learned but little, not happening to know, belike, what Sol and Aries mean. By the second, thou art informed, if it should so happen that the Spring begins in sharp, frosty weather, with snow and sleet; which is contrary to the testimony of thy finger's ends, and thy nose, which hangs of a drop; therefore,

3d. Descriptively.

But when the leaves and flowers are seen,
And nature puts on waistcoat green,
And milkmaids stop for sunshine parley,
And farmers sow their Oats and Barley,
And skylarks sing, and plowmen doff
Their garments: Spring is not far off.
This every blockhead needs must know,
And so we'll on to Summer go.

SUMMER.

SUMMER.

The Summer Quarter begins 21st June 4h. 50 m. P. M. which the learned reader knows stands for *Post Meridiem*, which for the sake of the unlearned may be translated *Afternoon*. Looking into the Arcana of Astrology (as deep as I can), I find that the Summer this year will be hotter than the Spring; but whether it will be hotter or colder than the last, wetter or dryer, is more than I can tell, or any of my brethren: though some blockheads believe the contrary. If we have good luck there will be some hay-making now abouts, and some maidenheads are likely to be lost according to established custom. In *Astronomical* language, Sol gets astride upon the Crab, precisely as before specified, which is but an uneasy beast of burthen; and likely to make him very warm in the saddle. Lastly, for the *Descriptive* part I have composed these elegant lines.

Now Summer's work needs active hands;
And nights require no warming-pans;
Wives curb your tongues, and kill your fleas,
That husbands now may sleep in peace:
And, in the morning, like a Turk,
They may get up, and do your work.

AUTUMN.

Autumn begins exactly when Summer ends; that is to say, on the 23d of September, at 47 m. past 6 in the morning; when this same Sol that I told you of before gets across a thing they call Libra, or the Balance; as one end cocks up, he slides off at the other, and so on, having always a horse ready at the next stage, and never stays loitering at public houses.

Young men and maids are fond of raking,
And harvest brings us corn for baking;
But what the better for't am I,
Alas! who have no cash to buy?

Which is so much the worse, because,

THE WINTER QUARTER

Follows, close upon the autumnal, my father forgot to leave me a legacy of coals, and it is hard walking one's self warm, upon an empty stomach, and shoes without soles. The Winter Quarter begins the 21st of December, 27 m. past 11 o'clock at night; my teeth chatter at the thoughts of it: if Capricorn would carry double, I would get up behind my old friend Sol, and ride into a warmer climate, for already the frost has got hold of me; the ink congeals in my pen, and I shall have stiff work to write to the bottom of this page. If I had a good fire, a pipe of tobacco, and a tankard of warm ale, now, and my wife was gone on a visit for a month or two, how happy should I be! New, and pleasant, and witty ideas would frisk up into my noddle, and I would write an extra sheet full of as delicate wit as ever the brain of Poor Robin engendered; but as these blessings are not to be had, all I can do is to tag the year with a few moral lines suitable to the important occasion, and take a decent, but unwilling, leave of my kind customers:

Oh! Who a rhyme can make to ice?

Unless he had a good fair slice

Of hot roast beef? Or, who to hail,

Can rhyme without a pot of ale?

Besides, if I did this, I know,

I needs must find a rhyme to snow;

And winter's attributes, I deem,

Are best to be a starving theme;

So pray excuse me, reader dear,

And, farwell! till another year.

PRINTED FOR THE COMPANY OF STATIONERS,

BY G. WOODFALL, 22, PATERNOSTER-ROW, LONDON.

Speculum Anni :

OR,

SEASON on the SEASONS.

For the Year of our LORD 1804 :

BEING -
BISSEXTILE, OR LEAP YEAR,

Wherein you will find all Things necessary for
such a Work ; Sun and Moon's Rising and Setting ;
Moon's Southing, Planets Places and Aspects, Eclipses,
Judgments on the Weather, and Four Quarters ; Remarks
about the Sun, Monthly Poetry, and other Novelties.

By **HENRY SEASON,**

LICENSED PHYSICIAN,

And Student in the **CÆLESTIAL SCIENCES**, near **DEVIZES.**

With a particular Judgment of the **ECLIPSES**, &c.

*Omnis donatio bona; & omne integrum bonum,
Est superne descendens a patre Luminum.*—**JAC. 1. 17.**

God hath granted me to speak according to my Mind, and to judge
worthily of the Things that are given me ; for he is the Leader unto
Wisdom, and the Director of the Wise : How the Times alter, the
Change of the Seasons, the Course of the Year, and the Situation of
the Stars. **Wisd. chap. vii. ver. 15, 19.**

The sacred Fiat was no sooner nam'd,
But Heav'n with all its Hosts were fram'd ;
Phœbus display'd his fiery Car,
And Wisdom marshall'd ev'ry Star ;
Sev'n Worlds around the Sun did glide,
He gave their Light, and Motions guide ;
By secret, fix'd, attractive Laws,
They all confess th' Almighty Cause.

The Author's Seventy-first Impression.

L O N D O N :

Printed for the **COMPANY of STATIONERS,**

by **G. WOODFALL**, No. 22, Paternoster-Row.

SEASON, 1804.

The common Notes for this Year.

The Golden Number - - - 19	Shrove-Sunday - - - Feb. 12
The Epact - - - 18	Ash Wednesday - - - Feb. 15
The Cycle of the Sun - - 24	Easter-Day - - - April 1
Dominical Letter - - - AG	White-Sunday - - - May 20
Roman Indiction - - - 7	Advent-Sunday - - - Dec. 2
opposite Sunday - Jan. 29	Sundays after Trinity - - 26

The 12 Signs. The 7 Planets, and the Aspects.

♈ Aries	☉ Sun
♉ Taurus	☾ Moon
♊ Gemini	♄ Saturn
♋ Cancer	♃ Jupiter
♌ Leo	♂ Mars
♍ Virgo	♀ Venus
♎ Libra	☿ Mercury
♏ Scorpio	♅ Conjunction
♐ Sagittarius	♆ Sextile
♑ Capricorn	♁ Square
♒ Aquarius	♊ Trine
♓ Pisces	♈ Opposition

The four Quarters of the Year.

Spring Quarter begins - - -	March 20 7 3 Aftern.
Summer Quarter begins - - -	June 22 4 50 Aftern.
Autumn Quarter begins - - -	Sept. 23 6 47 Morn.
Winter Quarter begins - - -	Dec. 21 11 27 Night.

Venus will be an Evening Star till August 4, and then Morning Star for the rest of the Year.

Jupiter will be a Morning Star till April 21; then an evening Star till Nov. 8; and then a Morning Star for the rest of the Year.

KINGS and QUEENS.

A TABLE of the KINGS and QUEENS of England, from the CONQUEST to the present Year 1804

Names of Kings.	Born.	When Begun to reign.	Reign. Y. M.	Since their Reign ended.	Buried at.
William 1	1029	1066, Octob. 14	20 11	717, Septem. 9	Caen, Nor.
William 2	1057	1087, Sept. 9	12 11	704, August 2	Winchest.
Henry 1	1068	1100, Aug. 2	35 4	669, Decemb. 1	Reading.
Stephen	1105	1135, Dec. 1	18 11	650, Octob. 25	Feverham.

The Saxon Line Restored.

Henry 2	1133	1154, Oct. 25	34 8	615, July 6	Fontevr.
Richard 1	1156	1189, July 6	9 9	605, April 6	Fontevr.
John	1165	1199, April 6	17 6	588, Octob. 19	Worcester.
Henry 3	1207	1216, Oct. 19	56 1	532, Nov. 16	Westmin.
Edward 1	1239	1272, Nov. 16	34 8	497, July 7	Westmin.
Edward 2	1284	1307, July 7	19 7	477, Jan. 25	Gloucester.
Edward 3	1312	1327, Jan. 25	50 5	427, June 21	Westmin.
Richard 2	1366	1377, June 21	32 3	405, Sept. 29	Westmin.

The Line of Lancaster.

Henry 4	1367	1399, Sept. 29	13 6	391, March 20	Canterb.
Henry 5	1389	1413, Mar. 20	9 5	382, August 31	Westmin.
Henry 6	1421	1422, Aug. 31	38 6	343, March 4	Windfor.

The Line of York.

Edward 4	1442	1461, Mar. 4	22 1	321, April 9	Windfor.
Edward 5	1471	1483, April 9	0 2	321, June 22	Unknown
Richard 3	1442	1483, June 22	2 2	319, August 22	Leicester.

The Families United.

Henry 7	1456	1485, Aug. 22	23 8	295, April 22	Westmin.
Henry 8	1492	1509, April 22	37 9	257, Jan. 28	Windfor.
Edward 6	1537	1547, Jan. 28	6 5	251, July 6	Westmin.
Qu. Mary	1516	1552, July 6	5 4	246, Nov. 17	Westmin.
Qu. Eliz.	1533	1558, Nov. 17	44 4	201, March 24	Westmin.

The Union of the Two Crowns.

James 1	1566	1603, Mar. 24	22 0	179, March 27	Westmin.
Charles 1	1600	1625, Mar. 27	23 10	155, Jan. 30	Windfor.
Charles 2	1630	1649, Jan. 30	36 0	119, Feb. 6	Westmin.
James 2	1633	1685, Feb. 6	4 0	125, Feb. 19	S. German.
Will. & Mary	1650	1689, Feb. 19	19 1	102, March 8	Westmin.

The Union of the Two Kingdoms.

Qu. Anne	1665	1702, Mar. 8	22 5	92, August 1	Westmin.
George 1	1660	1714, Aug. 1	12 10	77, June 11	Hanover.
George 2	1683	1727, June 11	3 4	42, Decemb. 25	Westmin.
George 3	1738	1760, Oct. 25	1 1	Crowned Sept. 22, 1761.	

SEASON, 1804, 17

A TABLE OF TERMS AND THEIR RETURNS.

Hilary Term begins January 23, ends February 13.

Returns or Effoign Days		E.	R.	A.	W.	D.
Eight Days of St. Hilary	—	Jan. 20	21	22	23	Mond.
15 Days of St. Hilary	—	—	27	28	29	30 Mond.
On the Mor. of the Purificat. of B. V. M.	Feb. 3	4	5	6		Mond.
Eight Days of the Purificat. of B. V. M.	—	9	10	11	12	13 Mond.

Easter Term begins April 18, ends May 14.

15 Days after Easter	—	April 15	16	17	18	Wedn.
from Easter in 3 Weeks	—	—	22	23	24	25 Wedn.
from Easter in 1 Month	—	—	29	30	31	2 Wedn.
from Easter in 5 Weeks	—	May 6	7	8	9	Wedn.
On the Morrow of the Ascension-Day	—	11	12	13	14	Mond.

Trinity Term begins June 1, ends June 20.

On the Morrow of the Holy Trinity	—	May 28	29	30	31	Frid.
Eight Days of the Holy Trinity	—	June 3	4	5	6	Wed.
15 Days of the Holy Trinity	—	—	10	11	12	13 Wed.
from the Day of Holy Trinity in 3 Weeks	—	17	18	19	20	Wed.

Michaelmas Term begins Nov. 6, ends Nov. 28.

On the Morrow of all Souls	—	Nov. 3	4	5	6	Tuesf.
On the Morrow of St. Martin	—	—	12	13	14	15 Thursf.
Eight Days of St. Martin	—	—	18	19	20	21 Wed.
15 Days of St. Martin	—	—	25	26	27	28 Wed.

M. B. No. Sittings in Westminster-Hall on Ascension-Day, Midsummer-Day, and the 2d of February.

The Exchequer opens eight Days before any Term begins, except Trinity, before which it opens but four Days.

Note. The first and last Days of every Term are the Days of Appearance.

A CATALOGUE of the Most Reverend, Right Reverend, and Reverend, the Archbishops, Bishops and Deans, exercising Ecclesiastical Jurisdiction in England, 1803.

<i>Archbishops.</i>	<i>Deans' Names.</i>	<i>Names of the Sees.</i>
Dr. John Moore	Dr. Thomas Powys	Canterbury
Dr. Wm. Markham	Dr. Geo. Markham	York
<i>Bishops.</i>		
Dr. Beilby Porteus	Bp. of Lincoln	London
Hon. Shute Barrington	Bp. of Litchfield & Coy.	Durham
Hon. Dr. Brownl. North	Dr. Newton Ogle	Winchester
Dr. F. H. Cornwall	Dr. Nat. Wetherell	Hereford
Dr. Richard Hard	Dr. Arthur Onslow	Worcester
Hon. Dr. Ja. Yorke	Dr. William Pearce	Exeter
Hon. Dr. Ja. Cornwallis	Dr. Baptist Proby	Litchfield and Coventry
Dr. Richard Watson	Mr. Saml. Gale, <i>Proc.</i>	Landaff
Dr. George Pretyman	Sir Richard Kaye, <i>Bart.</i>	Lincoln
Dr. John Douglas	Dr. John Ekins	Salisbury
Dr. William Cleaver	Mr. J. Warren	Bangor
Dr. Saml. Horsley	Mr. W. D. Shibley	St. Asaph
Dr. Rd. Beadon	Dr. George Wm. Lukin	Bath and Wells
Hon. Dr. E. Ven. Vernon	Dr. Isaac Milner	Carlisle
Hon. Dr. C. Manners Sutton	Dr. Joseph Turner	Norwich
Dr. Spencer Madan	Dr. Thomas Kipling	Peterborough
Dr. Fisher	Mr. Talbot	Exeter
Dr. Pelham	Dr. Sparks	Bristol
Dr. John Buckner	Mr. Combe Millar	Chichester
Dr. John Randolph	Dr. Cyril Jackson	Oxford
Dr. Henry Wm. Majendie	Dr. George Cotton	Chester
Dr. Burgess	Mr. F. Wollastou, <i>Petr.</i>	St. David's
	Dr. Wm. Vincent	Westminster
	Bp. of Norwich	Windsor
Dr. G. J. Huntingford	Dr. John Luxmore	Gloucester
Dr. Thomas Dampier	Dr. Goodenough	Rochester
Dr. Claude Crigan		Sodor and Man

The Names of the Learned Judges in the Law.

Right Hon. John Lord Eldon,	Lord High Chancellor of Great Britain.
Right Hon. Sir W. Grant, Knt.	Master of the Rolls.
Hon. Spencer Percival,	Attorney General.
Sir Tho. Manners Sutton,	Solicitor General.
I. In the { Rt. Hon. L. Ellenborough, L. C. J.	Sir Soulden Lawrence, Knt.
K. Bench. { Sir N. Grote, Knt.	Sir Simon Le Blanc, Knt.
II. In the { Rt. Hon. Lord Alvanley, L. C. J.	Sir Giles Rooke, Knt.
Co. Pleas. { John Heath, Esq;	Sir Alan Chambré, Knt.
IV. In the { Sir A. McDonald, Knt. L. C. B.	Sir Jek. Thompson, Knt.
Exchequer. { Sir Beau. Hotham, Knt.	Sir Robert Graham, Knt.

A TABLE shewing the Moon's Southing for Farmers and others that breed Cattle, but men and others that sail on the Waters.

M D	Jan. h m	Feb. h m	Mar. h m	April h m	May h m	June h m	M D
1	3m 14	3m 43	3m 4	4m 18	4m 55	6m 3	1
2	3 57	4 25	3 48	5 10	5 45	6 49	2
3	4 38	5 8	4 36	6 3	6 34	7 37	3
4	5 17	5 54	5 26	6 55	7 22	8 29	4
5	5 57	6 42	6 18	7 46	8 9	9 24	5
6	6 39	7 33	7 11	8 36	8 58	10 24	6
7	7 23	8 27	8 5	9 26	9 49	11 28	7
8	8 9	9 22	8 59	10 16	10 44	12 33	8
9	8 59	10 16	9 51	11 7	11 44	1 37	9
10	9 52	11 9	10 42	12 1	12 47	2 36	10
11	10 46	12 1	11 32	1 59	1 52	3 30	11
12	11 41	1 51	12 23	2 10	2 56	4 19	12
13	12 34	2 40	1 15	3 3	3 57	5 4	13
14	1 25	3 29	2 9	4 7	4 53	5 46	14
15	2 14	4 20	3 6	5 8	5 43	6 27	15
16	3 2	5 13	4 6	6 15	6 29	7 8	16
17	3 49	6 9	5 8	6 57	7 12	7 50	17
18	4 37	6 8	6 9	7 44	7 53	8 34	18
19	5 27	7 8	7 7	8 28	8 33	9 20	19
20	6 20	8 8	7 1	9 10	9 14	10 8	20
21	7 17	9 5	8 51	9 51	9 57	10 59	21
22	8 16	9 58	9 38	10 32	10 41	11 51	22
23	9 17	10 48	10 21	11 13	11 28	morn	23
24	10 17	11 34	10 3	11 57	morn	0 42	24
25	11 13	morn	11 44	morn	0 17	1 33	25
26	morn	0 17	morn	0 42	1 9	2 22	26
27	0 6	0 59	0 25	1 30	2 0	3 10	27
28	0 55	1 40	1 8	2 20	2 51	3 50	28
29	1 40	2 21	1 52	3 12	3 41	4 44	29
30	2 22		2 38	4 4	4 38	5 28	30
31	3 3		3 27		5 12		31

1804.

Moon's Squaring.

all the Months of the Year, very necessary for all
 especially and more worthy of Notice to Sea

M	July	August	Sept.	Oct.	Nov.	Dec.	M
D	h m	h m	h m	h m	h m	h m	D
1	6 m 16	7 m 54	9 m 48	10 m 16	11 m 11	11 m 22	1
2	7 8	8 56	10 39	10 59	11 55	0 a 17	2
3	8 4	9 58	11 26	11 42	0 a 42	1 1	3
4	9 4	10 56	0 a 10	0 a 25	1 31	1 58	4
5	10 8	11 51	0 154	1 9	2 21	2 40	5
6	11 12	0 a 41	1 37	1 55	3 21	3 27	6
7	0 a 14	1 27	2 20	2 42	4 1	4 12	7
8	1 31	2 49	3 5	3 32	4 50	4 56	8
9	2 3	2 58	3 52	4 22	5 37	5 40	9
10	2 51	1 56	4 40	5 18	6 23	6 25	10
11	3 25	4 19	5 30	6 7	7 9	7 12	11
12	4 17	5 4	6 27	6 53	7 55	8 2	12
13	4 59	5 50	7 13	7 42	8 42	8 57	13
14	5 41	6 40	8 9	8 30	9 33	9 59	14
15	6 24	7 31	8 55	9 17	0 27	1 1	15
16	7 9	8 23	9 45	10 6	1 27	morn	16
17	7 57	9 15	10 33	10 56	morn	9 7	17
18	8 47	10 7	11 22	11 54	0 30	1 10	18
19	9 39	10 58	morn	morn	1 36	2 12	19
20	10 31	11 47	0 11	0 47	2 41	3 6	20
21	11 23	morn	1 2	1 48	3 42	3 56	21
22	morn	0 35	1 57	2 53	4 38	4 43	22
23	0 14	1 22	2 54	3 56	5 29	5 26	23
24	1 3	2 11	3 55	4 58	6 15	6 8	24
25	1 50	3 2	4 55	5 55	6 50	6 50	25
26	2 36	3 55	5 59	6 48	7 41	7 43	26
27	3 23	4 52	6 58	7 36	8 23	8 18	27
28	4 11	5 52	7 53	8 21	9 5	9 5	28
29	5 1	6 51	8 44	9 1	9 48	19 54	29
30	5 55	7 55	9 31	9 46	0 34	10 41	30
31	6 53	8 53		10 28		11 34	

JANUARY xix Days.

Last Quarter the 4th day, at 10 at night.

New Moon the 11th day, at 10 at night.

First Quarter the 18th day, at 10 at night.

Full Moon the 26th day, at 9 at night.

M	D	h	m
1	3	2	
6	4	3	
11	4	3	
16	4	4	
21	4	5	
26	3	5	

M	W	Remarkable	☉	☽	Lon.	☽	☽	☽	Mut. Aspects
D	D	Days, &c.	☉	☽	gitude	☽	☽	☽	and Weather
1	A	Circum.	10	1	235	9	11	3	29
2	M	11	11	14	0	22	4	4	20
3	W	12	12	26	0	33	3	5	22
4	Th	13	13	8	23	3	3	6	23
5	F	14	14	20	0	26	6	6	4
6	S	15	15	2	21	8	1	7	5
7	S	16	16	14	1	3	3	8	7
8	A	17	17	26	1	9	4	9	8
9	M	18	18	8	2	29	5	9	9
10	T	19	19	20	1	36	6	10	10
11	W	20	20	3	3	38	7	11	11
12	Th	21	21	16	3	36	7	12	12
13	F	22	22	0	4	3	4	13	13
14	S	23	23	13	3	16	6	14	14
15	A	24	24	26	3	56	7	15	15
16	M	25	25	10	4	45	8	16	16
17	T	26	26	24	4	43	10	17	17
18	W	27	27	0	4	42	11	18	18
19	Th	28	28	22	4	56	11	19	19
20	F	29	29	7	4	7	11	20	20
21	S	30	30	19	4	12	12	21	21
22	A	31	31	1	4	10	12	22	22
23	M	1	1	9	3	34	15	23	23
24	T	2	2	3	3	31	16	24	24
25	W	3	3	7	3	17	17	25	25
26	Th	4	4	0	3	45	18	26	26
27	F	5	5	14	3	4	18	27	27
28	S	6	6	27	3	5	18	28	28
29	A	7	7	9	3	44	17	29	29
30	M	8	8	22	3	9	19	30	30
31	T	9	9	4	3	28	10	31	31

Last Quarter the 11th day, at 7 at night.

New Moon the 11th day, at 11 in the morning.

First Quarter the 18th day, at 5 in the afternoon.

Full Moon the 25th day, at 1 in the afternoon.

1	3	5
6	3	6
11	3	6
16	3	6
21	2	R
26	2	6

M	W	Remarkable	☉	D. lon-	D. rises	☽	☿	♂	Mut. Aspects			
D	D	Days, &c.		gitude	& sets				and Weather.			
1	W		12	16	22	11	2	27	27	8	23	Some fleet or
2	T	Pur. Candl. d.	13	28	17	morn	28	9	22	9	22	cold rain at
3	F	Blas. 1001	14	10	9	20	39	29	0	22	0	the begin-
4	S		15	22	4	1	51	30	12	21	12	ning.
5	A	Sexages. Sun.	16	4	6	2	13	15	19			
6	M	[Agatha	17	16	20	4	7	11	18	8	0	8
7	T	St. Valentine	18	28	49	5	4	12	17			
8	W	St. Valentine	19	18	37	15	51	5	16	16	16	Now frosty
9	T	St. Valentine	20	4	46	6	25	11	15	15	15	and more
10	F	St. Valentine	21	14	36	6	30	4	14	14	14	
11	S	☉ eclips. vis.	22	24	106	10	31	13	13	10	4	8
12	A	Shrove Sun.	23	6	19	6	33	6	12	12	12	fair.
13	M	Hil. T. enl.	24	20	30	7	37	7	11	11	11	
14	T	Shrove Tues.	25	Valent.	1	9	12	9	10	10	10	Old Can. Day
15	W	St. Valentine	26	10	28	10	30	18	25	10	25	
16	T	St. Valentine	27	13	53	morn	19	20	9	10	9	8
17	F	St. Valentine	28	18	11	10	18	20	28	19	28	
18	S	St. Valentine	29	11	19	11	45	10	28	19	28	Now wind
19	A	St. Valentine	30	16	15	30	25	10	28	19	28	D and rain may
20	M	St. Valentine	31	19	59	14	10	12	18	18	18	be expected,
21	T	St. Valentine	1	19	30	4	18	13	19	18	19	
22	W	St. Valentine	2	6	48	5	19	14	19	19	19	if not a fall
23	T	St. Valentine	3	9	53	5	50	14	19	19	19	of snow.
24	F	St. Matthias	4	10	44	6	19	14	19	19	19	
25	S	St. Matthias	5	10	26	rises	19	10	19	19	19	
26	A	St. Matthias	6	17	55	6	49	17	19	19	19	
27	M	St. Matthias	7	12	12	7	59	17	19	19	19	Frosty and
28	T	St. Matthias	8	12	20	9	10	18	19	19	19	more fine.
29	W	St. Matthias	9	14	19	10	22	19	19	19	19	

MARCH xxi Days.

M	h	u
D	△	m
1	2	6
6	1	0
11	1	5
16	1	5
21	0	5
26	11	4

Last Quarter the 4th day, at 4 in the afternoon.

New Moon the 11th day, at 11 at night.

First Quarter the 18th day, at 2 in the afternoon.

Full Moon the 26th day, at 5 in the morning.

W	Remarkable	☉	☽	☿	♂	♀	♂	Mut. Aspects
D	Days, &c.	Δ	Longitude	& sets.	☾	☿	☾	and Weather
T	David	11	6m 14	11 a 35	20	13	14	*s ♀ ♂
F	Chad	12	18 15	morn	21	15	15	
S		13	29 59	0 4	21	16	15	Some wind
G	S. in Lent	14	11 59	1 55	22	17	16	and wet at
M		15	24 10	2 58	23	18	18	the begin-
T		16	6 36	3 45	24	20	19	ning.
W	Perpetua	17	19 22	4 24	25	21	20	
T		18	3 32	4 54	25	22	21	
F		19	16 8	5 16	26	23	22	More fair and
S		20	0 10	5 33	27	24	23	fine for the
G	of Mid. Sun.	21	14 35	sets	28	26	25	season.
M	Gregory	22	29 19	6 25	28	27	26	
P		23	14 13	8 30	29	28	27	
W		24	29 9	10 1	29	28	28	
F		25	13 59	11 32	30	1	29	Now expect
F		26	28 35	morn	2	2	1	* ♀ ♂ ♂ ♂
S	St. Patrick	27	12 52	0 56	2	3	3	* ♀ ♂
S	S. in Lent	28	26 49	2 17	3	4	4	♂ ♀ ♂ ♂
M	Ed. K. W. S.	29	10 25	3 14	4	5	6	some cold
V		30	23 41	3 42	5	6	7	Δ 24 ♂
V	Benedict	1	6 41	4 7	5	7	9	8 ♂
S		2	19 26	4 28	6	9	10	forms.
S	Camb. T. ends	3	1 59	4 45	7	10	12	
S	Oxf. T. ends.	4	14 22	4 58	8	11	13	
P	Sun. Lad. d.	5	26 36	5 11	9	12	15	Fine for the
		6	8 43	rises	9	13	16	season, and
		7	20 44	8 a 16	10	15	18	perhaps some
		8	2 40	9 27	11	16	20	frosts.
	Maundy Th.	9	14 33	10 38	12	17	21	
	Good Friday	10	26 24	11 49	13	18	23	
		11	8 18	morn	13	19	25	

MARCH verifies the proverb, for you'll find,
 He's Lion like, as well as lamb in kind;
 Since then superior worlds so well agree,
 This world of ours, (sure) reconcil'd will be;
 Heaven's all commanding influence produce,
 Peace to poor shrubs, and 'mong tall cedars truce.

M	O	S	O	S	O
D	h	m	h	m	OBSERVATIONS.
1	6	33	5	27	
2	6	31	5	29	is no security against the small-pox. But
3	6	29	5	31	it is not in vaccine or cow-pock inoculation
G 6	6	27	5	83	alone; that mistakes have been com-
5	6	25	5	35	mitted even by practitioners of establish-
6	6	23	5	37	ed characters. I, says Dr. Lettsom, lately
7	6	21	5	39	attended two young persons under the
8	6	19	5	41	small-pox; each an only child, of consi-
9	6	17	5	43	derable family, who had been inoculated
10	6	15	5	45	two or three years before by respectable
G 6	6	13	5	47	gentlemen; and the mothers of the chil-
12	6	11	5	49	dren shewed me what they conceived to
13	6	9	5	51	be the marks or pitting from the inocu-
14	6	7	5	53	lated small-pox; happily, they both re-
15	6	5	5	55	covered from an alarming irruption of
16	6	3	5	57	the disease. Dr. Lettsom, also says, 'He
17	6	1	5	59	once claimed but two relations, who were
G 1	6	59	6	1	inoculated with matter supposed to be
19	6	57	6	3	varioidous, for small-pox matter, by an
20	6	55	6	5	eminent inoculator, who afterwards caught
21	6	53	6	7	the small-pox, one of whom died. These
22	6	51	6	9	instances of error, so injurious to the me-
23	6	49	6	11	dical character, and distressing to the com-
24	6	47	6	13	munity, should excite the most guarded
G 5	6	45	6	15	circumspection in the professors of the
26	6	43	6	17	healing art.
27	6	41	6	19	But to return, in spite of the best ob-
28	6	39	6	21	servious, and uniform success of vaccine in-
29	6	37	6	23	oculation
30	6	36	6	24	
31	6	34	6	26	

Last Quarter the 3d day, at 9 in the morning.

New Moon the 10th day, at 8 in the morning.

First Quarter the 16th day, at 12 at night.

Full Moon the 24th day, at 10 at night.

1	29	3
6	29	3
11	29	2
16	28	2
21	28	1
26	28	0

M	W	Remarkable	☉	☽ Lon-	☽ rites	♂	♀	☿	Muc. Aspects
D	D	Days, &c.	°	gitude	& sets	°	°	°	and Weather
1	G	Easter day.	12	20 17	0 m 53	14	20	27	April comes
2	M	E. ster Mond.	13	21 25	1 46	15	22	28	in cold.
3	T	Easter Tuesd.	14	Rich.	2 32	16	23	29	
4	W	Ambrose	15	27 28	3 1	16	24	2	
5	T		15	10 32	3 25	17	25	4	
6	F	O. Lady-day	16	24 4	3 44	18	26	6	Some gentle
7	S		17	8 5	4 19	19	27	8	mills; or
8	G	Low Sunday	18	22 34	4 17	20	29	10	☿ ♀
9	M		19	7 27	4 32	20	11	12	showers of
10	T		20	22 37	sets	21	1	14	rain.
11	W	Oxf. & Cam.	21	7 8 53	9 18	22	2	16	
12	T	[Term beg.	22	23 4	10 39	23	3	18	More fine for
13	F		23	7 11 59	11 59	23	4	20	several days.
14	S		24	22 32	morn.	24	5	22	
15	G	2 S. at Easter	25	6 33 39	1 32	25	7	24	
16	M		26	20 18	1 48	26	8	26	☿ ☉ ♀
17	T		27	3 33	2 19	27	9	28	
18	W	Easter T. b.	28	16 26	2 41	27	10	8	☿ ☉ ♀
19	T	Alphege	29	29 1	2 59	28	11	2	☿ ☉ ♀
20	F		8 11 23	3 12	29	12	4		☿ ☉ ♀
21	S		12 33	3 25	29	13	7		Rather
22	G	3 S. at Easter	2 54 37	3 38	1 15	15	9		stormy now,
23	M	St. George	3 17 35	3 51	0 16	11	11		if not thun-
24	T		4 29 30	4 17	1 18	12	13		der.
25	W	St. Mark Pr.	5 11 24	4 35	3 18	15	15		
26	T	[Mary b.	6 23 16	4 44	3 19	17	17		Warm and
27	F		7 5 9	5 0	4 20	19	19		fine with
28	S		8 17 6	5 11	4 21	21	21		good spring
29	G	4 S. at Easter	9 29 7	5 22	4 22	23	23		weather.
30	M		10 11 17	5 33	7 23	25	25		

Majors each morning with a gentle ray,
 Ushers the sun, and summons' us away,
 From lazy beds, our bodies up to rise
 When day begins to issue from the skies;
 Th' air's cloudy robe, returns to chrystal clear,
 And smiling Heaven's bright torches re-appear.

Rises & Sets				OBSERVATIONS.
h.	m.	h.	m.	
5	32	6	28	
5	30	6	30	oculation, individuals have also opposed
5	28	6	32	the practice from a refinement of reason-
5	26	6	34	ing, that on the other hand appears to be
5	24	6	36	rather conclusive in its favour; they have
5	22	6	38	objected to it on account of its origin,
7	20	6	40	and conferred upon it, the epithet of a
7	18	6	42	beastly disease; but of the primary or first
9	16	6	44	sources of infectious disease, little is yet
10	14	6	46	clearly ascertained; that some have ori-
11	12	6	48	ginated from <i>animals</i> , is certain; but of all
12	10	6	50	animals, the cow is most congenial to the
13	8	6	52	habits of man; its food is simple, and its
14	6	6	54	diseases are few: we are from infancy
15	5	6	55	nourished by its milk, and its flesh consti-
16	3	6	57	tutes a large portion of our food or ali-
17	1	6	59	ment; and surely a particle of matter ex-
18	59	7	1	tracted from this almost sacred animal,
19	57	7	3	can excite no disgust, or rational idea of
20	55	7	5	impurity; whilst that of man, too often
21	53	7	7	the creature of appetite and morbid in-
G 4	51	7	9	dulgence, with juices vitiated by intem-
23	49	7	10	perance, and a constitution injured by
24	48	7	12	vice, may indeed afford some suspicion of
25	46	7	14	contamination and impurity.
26	44	7	16	The cow-pock, this eruptive affection
27	42	7	18	of the nipples of the cow, has long exist-
28	40	7	20	ed in various parts of the countries of
G 4	39	7	21	Gloucester
30	37	7	23	

Last Quarter the 2d day, at 11 at night.
 New Moon the 9th day, at 4 in the afternoon.
 First Quarter the 16th day, at 11 in the morning.
 Full Moon the 24th day, at 2 in the afternoon.

127 30
 627 29
 1127 29
 1627 28
 2127 28
 2627 27

M	W	Remarkable	☉	lon-	rites	♂	♀	☿	Mnt. Aspects
D	D	Days, &c.	8	gitude	& sets.	γ	π	8	and Weather
1	T	St. Phil. & Jas	11	23 39	1 m 7	7	24	27	Δ h 8
2	W		12	6 18	1 33	8	26	29	Cold and
3	T	Inv. of Cross	13	19 18	1 54	9	27	11	windy,
4	F		14	2 43	2 11	10	28	2	□ h 9
5	S		15	16 36	2 26	10	29	4	Δ h 8
6	G	Rogation S.	16	St. J. E.	A. P. L.	11	28	5	and perhaps
7	M	St. J. p.	17	15 45	2 56	12	1	7	some shower
8	T		18	0 53	3 13	13	2	8	of rain.
9	W		19	16 11	sets	13	3	9	
10	T	Asc. Holy T	20	1 29	9 35	14	4	11	
11	F		21	16 35	10 48	15	5	12	
12	S		22	1 19	11 43	16	6	13	Drying wind
13	G	St. Asc. Old	22	15 37	morn	17	7	14	for some
14	M	St. Ends [Mayd.	23	29 25	0 20	17	8	15	days.
15	T		24	12 46	0 45	18	9	16	
16	W		25	25 41	1 12	6	19	10	17
17	T	St. Wales b	26	8 15	1 24	20	11	18	Rather cool
18	F	[Ox. T. c.	27	26 33	1 36	20	12	19	Δ ☉ h
19	S	St. Ch. b [Dun.	28	2 40	1 49	21	13	20	for a few
20	G	Whit-Sund.	29	14 38	2 1	22	14	20	days.
21	M	Whit-Mond.	30	26 32	2 14	23	15	21	
22	T	Whit-Tuesd.	1	1 17	2 30	23	16	21	Fine and
23	W	Ember Week	2	20 17	2 48	24	17	21	pleasant.
24	T	Cam. T. d. n.	3	2 11	rises	25	18	22	
25	F		4	14 10	9 35	26	19	22	
26	S	Augustin	5	26 13	10 30	26	20	22	
27	G	Trinity Sun	6	8 22	11 7	27	21	22	8 4 3
28	M	[Vene. Bede	7	20 41	11 35	28	22	22	Very warm
29	T	St. Cha. 2. rest.	8	3 10	11 58	29	23	22	if not some
30	W	Oxf. T. begins	9	15 54	morn	29	24	22	thunder,
31	T	Corp. Christi	10	28 56	0 16	8	25	22	

*England would fain transplant her fragrant flower,-
 Amongst the tories who unite their pow'r,
 To pull the crown from off the rose in vain;
 That land cannot such venom long contain.
 Then when the harp's new string'd and tun'd you see,
 By th' English hand, 'twill make sweet melody.*

M.	O-rises		G sets		OBSERVATIONS.
	D	h	m	m	
1	4	35	7	25	
2	4	34	7	26	<i>Gloucester, Wilts, Somerset, Buckingham, De-</i>
3	4	32	7	28	<i>von, Hants, Suffolk, Norfolk, Leicester, Staf-</i>
4	4	30	7	30	<i>ford, and vicinity of London, and other</i>
5	4	28	7	32	<i>parts; has been long and well known as a</i>
G 4	27	7	33		<i>preventative of the small-pox, but it was</i>
7	4	25	7	35	<i>not employed in medical practice till Dr.</i>
8	4	23	7	37	<i>Jenner introduced it to the knowledge of</i>
9	4	22	7	38	<i>the public; and now the experience of</i>
10	4	20	7	40	<i>several years has fully proved that inocu-</i>
11	4	19	7	41	<i>lation for the cow-pock is a certain preser-</i>
12	4	17	7	43	<i>vative against the small-pox; and is, be-</i>
G 4	16	7	44		<i>sides, so mild and safe a disorder, when</i>
14	4	14	7	46	<i>compared with the inoculated small-pox,</i>
15	4	13	7	47	<i>that it has now been generally introduced</i>
16	4	11	7	49	<i>amongst the better informed and more</i>
17	4	10	7	50	<i>wealthy inhabitants, both of this kingdom</i>
18	4	8	7	52	<i>and of various parts of Europe, &c. for no</i>
19	4	7	7	53	<i>one who has once had the cow-pock can after-</i>
G 4	6	7	54		<i>wards take the small-pox; this has now been</i>
21	4	4	7	56	<i>proved in many thousands of cases, in</i>
22	4	3	7	57	<i>which persons, after having had the cow-</i>
23	4	2	7	58	<i>pock, have been inoculated for the small-</i>
24	4	0	8	0	<i>pox, or have even lived in the same room,</i>
25	3	59	8	1	<i>or lain in the same bed, with others cover-</i>
26	3	58	8	2	<i>ed with that disease, and yet have not</i>
G 3	57	8	3		<i>received the infection. This being the</i>
28	3	56	8	4	<i>case, it is better to inoculate with the</i>
29	3	55	8	5	
30	3	54	8	6	
31	3	53	8	7	

Last Quarter the 1st day, at 9 in the morning.

New Moon the 7th day, at 11 at night.

First Quarter the 15th day, at 1 in the morning.

Full Moon the 23d day, at 6 in the morning.

Last Quarter the 30th day, at 4 in the afternoon.

1	27	27
6	27	26
11	27	26
16	27	26
21	27	26
26	27	D

M	W	Remarkable	☉	☽	Lon	☽	rises	☽	☽	☽	Mut. Aspects
D	D	Days, &c.	II	II	gitada	& sets	8	8	8	II	and Weather.
1	F	Nicomede	11	12	X 19	om 30	1	26	21		
2	S	[Trip. T. b.	12	26	5	0 44	2	27	21	* h ♀, ☉ 24 ♀	
3	G	1 S. af. Trin.	13	10	V 15	0 59	2	28	21	Fair and hot	
4	M	K Geo. III. b.	14	24	49	1 16	3	29	20	now about.	
5	T	D. of Cum. b.	15	9	8 42	1 36	4	29	20		
6	W	[Boniface	15	24	47	2 4	5	30	19		
7	T		16	9	II 54	sets	5	1	19		
8	F		17	24	55	9 a 25	6	2	18	☉ ☉ ♀	
9	S		18	9	38	10 12	7	3	17	Pleasant wea-	
10	G	2 S. af. Trin.	19	23	50	10 44	7	4	17	ther, with	
11	M	St. Barnabas	20	7	52	11 7	8	4	16	some flying	
12	T		21	21	18	11 24	9	5	16	showers.	
13	W		22	4	m 19	11 38	10	6	15		
14	T		23	16	57	11 50	10	7	15		
15	F		24	29	17	morn 11	8	15			
16	S		25	11	24	0 21	2	12	8	14	Cooling
17	G	3 S. aft. Trin.	26	23	22	0 16	13	9	14	gales of wind.	
18	M	Alban.	27	5	m 15	0 31	13	10	14	☉ ☉ h	
19	T		28	17	7	0 49	14	10	14	with some	
20	W	T. e. Tran. Ed.	29	29	1	1 12	15	11	D cloudy wea-		
21	T	Longest day.	30	11	f 0	1 43	16	12	14	ther.	
22	F		1	23	6	2 25	16	12	14		
23	S		2	5	19	rises 17	13	14			
24	G	4 S. af. Tr. Nat. J.	3	17	42	9 a 35	18	14	14	Fair and fine	
25	M	[Bap.	4	10	15	9 58	18	14	14	now about.	
26	T		5	13	0	10 17	19	15	15		
27	W		6	25	58	10 33	20	15	15	☉ ☉ 24, * ♀ ♀	
28	T		6	9	X 12	10 46	21	16	16		
29	F	St. Peter.	7	22	41	11 0	21	16	17	Some shower.	
30	S		8	6	V 27	11 15	22	17	17	near the end.	

The Eagle now divided in her breast,
 As well as heads with various thoughts oppress.
 The Belgick lion fair would rampant be,
 And not lie couchant under *Yorke's* fair tree.
 I pity some, of whom it was said of Jare
 Their high swoln fortunes, drives a desperate rate.

M.	Files.	Ofets.		OBSERVATIONS.
D.	n.	n.	n.	
1	3	52	8	
2	3	51	8	
G 3	50	8	10	cow-pock than the small-pox for these
4	3	49	8	reasons: because the cow-pock is a milder
5	3	49	8	disease, and occasions but little pain or
6	3	48	8	fever, and is not followed by any of the
7	3	47	8	painful and dangerous complaints, which
8	3	47	8	are often produced by the small-pox.
9	3	46	8	And also, because the infection of the
G 5	45	8	14	cow-pock cannot be communicated by
11	3	45	8	the breath or perspiration; whereas there
12	3	45	8	is always danger that a person who has
13	3	44	8	even the inoculated small-pox will com-
14	3	44	8	municate the disease to others; and in
15	3	43	8	this manner the inoculation of one person
16	3	43	8	has often occasioned the loss of a great
G 8	43	8	17	number of lives. I therefore advise all
18	3	43	8	those who regard the health and life of
19	3	43	8	their children, the safety of their friends
20	3	43	8	and neighbours, or the good of the com-
21	3	43	8	munity at large, to avail themselves of
22	3	43	8	preventing, by early and certain means,
23	3	43	8	one of the most loathsome and fatal dis-
G 3	43	8	17	eases to which the human body is subject.
25	3	44	8	For neither swellings, blindness, lameness,
26	3	44	8	nor any other complaint, which are
27	3	44	8	known frequently to be the consequences
28	3	44	8	of the natural small-pox (and sometimes
29	3	45	8	the inoculated small-pox) have been ob-
30	3	45	8	served

New Moon the 7th day, at 7 in the morning.

First Quarter the 14th day, at 4 in the afternoon.

Full Moon the 22d day, at 5 in the afternoon.

Last Quarter the 29th day, at 8 in the afternoon.

28 26

6 28 26

11 28 26

16 29 27

21 29 27

26 29 28

M	W	Remarkable	☉	lon.	Rises	δ	♀	♂	Mut. Aspects
D	D	Days, &c.	zn	gitude	& sets	8	Ω	II	and Weather.
1	G	5 S. af. Trin.	9	20 31	11 a 34	23	17	18	Fair and fine
2	M	Visitat. V. M.	10	4 51	11 58	23	17	19	for the molt
3	T	Camb. Com.	11	D. days b	morn	24	18	20	part.
4	W	Tr. St. Mart.	12	4 7	0 28	25	18	21	
5	T		13	18 52	1 14	26	19	22	
6	F	Old Midsum.	14	C. T. e.	2 20	26	19	23	
7	S	T. à Becket	15	18 0	sets	27	19	25	
8	G	6 S. af. Trin.	16	2 Ω 11	9 4	28	19	26	Δ 4 ♀
9	M	Oxford Act	17	6 0	9 22	28	19	27	Δ 5 ♀, □ 5 ♀
10	T		18	29 26	9 36	29	20	29	Now wind
11	W		19	12 28	9 49	11	20	28	and rain may
12	T		20	25 9	10 3	0	20	2	be expected.
13	F		21	7 32	10 17	1	20	3	
14	S	Oxf. T. ends	22	19 41	10 31	2	R	5	
15	G	7 S. af. Trin.	23	1 40	10 48	3	20	7	
16	M	[Swithia	24	13 34	11 9	3	20	9	Fair and hot
17	T		25	25 27	11 37	4	20	11	about this
18	W		26	7 23	morn	5	19	12	time.
19	T		27	19 27	0 14	5	19	14	□ 0 24
20	F	Margaret	27	1 40	1 6	6	19	16	
21	S		28	14 4	1 59	7	19	18	Some showers.
22	G	8 S. af. Trin.	29	26 42	rises	7	18	20	* 0 5
23	M	[Magd.	Ω	9 35	8 23	8	18	23	if not thun-
24	T		1	22 41	8 36	9	18	25	der.
25	W	St. James	2	6 2	8 51	9	17	27	* 5 ♀, Δ 4 ♀
26	T	Anna	3	19 35	9 6	10	17	29	Fine even to
27	F		4	3 21	9 21	11	16	3	the end.
28	S		5	17 18	9 38	11	16	3	
29	G	9 S. af. Trin.	6	1 24	10 0	12	15	5	
30	M		7	15 37	10 29	13	15	7	
31	T		8	29 55	11 5	13	14	9	* 5 ♀

New Moon the 5th day, at 4 in the afternoon.

First Quarter the 13th day, at 10 in the morning.

Full Moon the 21 day, at 5 in the morning.

Last Quarter the 28th day, at 11 in the morning.

W. D.	Remarkable Days, &c.	☉ Longitude	☽ Longitude	☿ Distance	♀ Distance	♂ Distance	Mut. Aspects	Weather
1	W. Lammas day.	9 14 11 15	morn	14 13	11 13	8 8	♂ ♀ ♀	
2	T. Transfiguration.	10 28 33	01 06 15 13	13 13	13 13	13 13	This month	
3	F. St. Andrew.	11 12 40	01 10 15 12	15 15	15 15	15 15	* ♂ ♀	
4	T. St. Peter.	12 26 49	2 20 16 12	17 17	17 17	17 17	♂ ☉ ♀	
5	G. 1st S. af. Trin.	13 10 39	sets	17 17	19 19	19 19	is likely to be-	
6	M. Transfiguration.	14 24 14	7 44 17 16	21 21	21 21	21 21	gin with fre-	
7	P. Prs. Amel. b.	15 7 30	7 58 18 16	23 23	23 23	23 23	quent show-	
8	W. [Nat. of Jesus]	16 27 27	8 10 19 16	25 25	25 25	25 25	kers	
9	T. St. John.	17 13 6	8 20 19 16	27 27	27 27	27 27		
10	F. St. Lawrence.	18 19 29	8 37 20 8	29 29	29 29	29 29	* ♀ ♀	
11	S. St. Basil.	19 27 38	8 54 24 7	31 31	31 31	31 31	Rather windy	
12	G. 2nd S. af. Trin.	19 Pr. W. b.	9 13 21 7	3 3	3 3	3 3	but more fair	
13	M. Old Lammas.	20 21 32	9 30 22 6	4 4	4 4	4 4	and fine for	
14	T. St. James.	21 13 25	10 7 23 6	6 6	6 6	6 6	the harvest.	
15	W. Assumption.	22 13 22	10 57 23 6	8 8	8 8	8 8		
16	P. D. of York b.	23 27 23	11 54 24 5	9 9	9 9	9 9		
17	F. St. Mary.	24 9 44	morn	15 15	15 15	15 15		
18	S. St. Peter.	25 22 17	1 3 25 4	13 13	13 13	13 13	* ☉ ♂	
19	G. 3rd S. af. Trin.	26 5 8	2 15 20 4	14 14	14 14	14 14	I expect some	
20	V. St. Bartholo.	27 18 15	3 28 27 4	16 16	16 16	16 16	thunder show-	
21	T. D. of Cla. b.	28 1 48	4 50 27 4	18 18	18 18	18 18	ers near this	
22	W. St. Peter.	29 15 35	5 26 28 4	19 19	19 19	19 19	time.	
23	F. St. Bartholo.	30 29 36	6 13 29 4	21 21	21 21	21 21		
24	F. St. Bartholo.	1 13 47	7 48 29 3	22 22	22 22	22 22		
25	S. St. Peter.	2 28 4	8 8 29 3	24 24	24 24	24 24	* ☉ ♀	
26	G. 4th S. af. Trin.	3 12 8 22	8 36 0	25 25	25 25	25 25	Fine weather	
27	M. St. Peter.	4 26 39	9 11 1 3	27 27	27 27	27 27	to the end	
28	T. St. Augustine.	5 10 50	10 1 2 3	28 28	28 28	28 28	Δ ♀ ♂	
29	W. St. Bapt. Beh.	6 24 54	11 13 2 4	29 29	29 29	29 29	of the month.	
30	F. St. Peter.	7 8 51	morn	3 4	3 4	3 4		
31	F. St. Peter.	8 22 37	0 26 4 4	4 4	4 4	4 4		

Great causes like events do presuppose,
 The cedar's tailbranch to her do oppose,
 And though their lofty heads to stoop they scorn,
 They're forced to yield unto a furious storm:
 At the lowest hours from tempests free do rest,
 They, of all others live completely blest.

M	D	W	Th	F	S	S	Observations.
1	4	20	7	40			
2	4	*24	7	38			mortality the weekly returns of its vic-
3	4	24	7	36			tims in numbers from <i>year to year</i> , I had
4	4	25	7	35			reflect that each of them might have
G	4	27	7	33			been living objects of affection to their
6	4	28	7	32			parents and of national benefit to the
7	4	30	7	30			state had their guardians endeavored the
8	4	32	7	28			(<i>Fluency</i> discovery <i>Ballade</i> <i>and</i> <i>now</i> <i>day</i>
9	4	34	7	26			passed in <i>London</i> , without witnessing the
10	4	35	7	25			involutions of infants sacrificed by this
11	4	37	7	23			contagion! It is supposed that about eight
G	4	39	7	21			thousand children annually die in <i>London</i>
13	4	41	7	19			under the age of four years, chiefly occa-
14	4	42	7	18			sioned by the small-pox.) <i>and</i> <i>shall</i> <i>they</i>
15	4	44	7	16			for quite one pang of remorse to for-
16	4	46	7	14			give guardians; on reflecting that with
17	4	48	7	12			as much security as they pass through the
18	4	50	7	10			chambers of their <i>murder</i> , might these in-
G	4	51	7	9			fants have escaped the valley of the sha-
20	4	53	7	7			dow of death! I do not hesitate, says Dr.
21	4	55	7	5			<i>Barrow</i> , to declare, that I never enter the
22	4	57	7	3			in the hands of the rich or the poor for
23	4	59	7	1			which may be equally useful in their re-
24	4	61	7	59			lative allotments) without feeling an
25	4	63	7	58			ardent desire for the security of their in-
G	5	4	6	56			fantile demozens; against their most de-
27	5	6	6	54			structive disease, the small-pox. <i>and</i> <i>shall</i> <i>they</i>
28	5	8	6	52			your infants cannot reason for themselves
29	5	10	6	50			
30	5	12	6	48			

Last Quarter the 4th day, at 10 at night.

New Moon the 11th day, at 10 at night.

First Quarter the 18th day, at 10 at night.

Full Moon the 26th day, at 9 at night.

1	3	2
6	4	3
11	4	3
16	4	4
21	4	5
26	3	5

M	W	Remarkable	☉	☽	Lon.	☽	☽	☽	Mut. Aspects
Day	Day	Days, &c.	☉	☽	gitude	☽	☽	☽	and Weather
1		Circumcision	10	17	29 5	9	11	3	29 18 ☐ 6 8
2	M	St. Hilary	11	14	0 12 2	10	22 3	4	20 Cold and
3	Th		12	26	0 13 3	11	0 33	5	21 ☐ 21 8
4	W		13	8	2 33	12	0 33	6	22 23 Δ 6 8
5	Th		14	20	0 26	6	42	6	24 frosty at the
6	F	Epiph. meth.	15	2	1 8	1	53	7	26 beginning.
7	S	St. John Chr. p.	16	14	1 3	3	1 5	8	27 1 11
8	M	St. S. af. Ep. Luc	17	26	1 5	4	16	9	29 1 20
9	Tu	St. Plow Monday	18	8	2 29	5	25	10	30 Cold.
10	W		19	20	1 50	6	29	10	31 Δ 6 8 ☐ 21 8
11	Th		20	3	2 38	7	22	11	12 Winds driv-
12	F		21	16	0 36	sets	12	13	6 ing rain on
13	S	Hil. Cant. T. b.	22	0	1 1	4	47	13	14 7 fleet.
14	M	St. Ox. T. b.	23	13	1 16	6	10	13	15 9
15	Tu	St. S. af. Epiph.	24	26	1 56	7	33	14	17 11
16	W		25	10	2 45	8	56	15	18 12 The weather
17	Th		26	24	0 43	10	18	16	19 14 is now more
18	F	St. Q. Ch. Epiph.	27	0	1 2	11	42	16	20 15 fine.
19	S	St. Prisca	28	22	1 56	morn	17	22	16 +
20	M	St. Fabian	29	7	8 7	1	8	18	23 18
21	Tu	St. Agnes	30	21	0 19	2	35	19	24 19 Cloudy and
22	W	St. S. af. Epiph.	1	Vincent		4	0	19	25 20 dull for some
23	Th	St. Hil. Term h.	2	19	3 34	5	14	20	27 21 days.
24	F		3	3	3 31	6	10	21	28 22 Δ ☉ 6
25	S	Conv. St. Paul	4	17	1 17	7	15	22	29 23 ☐ ☉ 21
26	M	☽ eclips. visible	5	0	2 40	crises	23	X	23
27	Tu	St. D. Suffex. b.	6	14		5	21	23	24
28	W		7	27		6	38	24	3 24 Frosty and
29	Th	Septuages. S.	8	9	2 44	7	54	25	4 25 more fair.
30	F	St. K. C. Illmar	9	22		9	14	26	5 24 Δ 21 8
31	S		10	4	2 26	10	15	26	7 23

All hail, my masters!—I must now implore,
 I know no plot, save that which keeps us poor,
 Your ticket for a twelvemonth's recreation,
 And this of mine to gain your approbation.
 All my designs lurk in their rural strains,
 My head conspires, indeed; but not my brains.

M.	O.	C.	S.	OBSERVATIONS.
D.	M.	M.	M.	
				OBSERVATIONS
A 8	53	58	72	ON THE
12 8	43	50	85	ON THE
3 8	43	50	100	COW-POCK, OR VACCINE INOCULATION.
4 8	33	15	108	12
5 8	23	05	110	12
6 8	13	05	110	12
7 8	04	10	110	12
A 8	04	01	110	12
9 8	59	21	110	12
10 8	58	41	110	12
11 7	57	41	110	12
12 7	56	41	110	12
13 7	54	41	110	12
14 7	53	41	110	12
A 7	52	41	110	12
16 7	51	41	110	12
17 7	50	41	110	12
18 7	48	41	110	12
19 7	47	41	110	12
20 7	46	41	110	12
21 7	44	41	110	12
A 7	42	41	110	12
23 7	41	41	110	12
24 7	40	41	110	12
25 7	38	41	110	12
26 7	37	41	110	12
27 7	35	41	110	12
28 7	34	41	110	12
A 7	32	41	110	12
30 7	31	41	110	12
31 7	29	41	110	12

10 FEBRUARY xxix Days.

M 3 4
D 1 2

Left Quarter the 3d day, at 7 at night.
New Moon the 11th day, at 11 in the morning.
First Quarter the 18th day, at 5 in the afternoon.
Full Moon the 25th day, at 1 in the afternoon.

3 5
6 6
31 6
16 6
3 6
27 2 R
26 2 6

M	W	Remarkable	☉	D lon-	D rises	♂	♀	Mut. Aspects
D	D	Days, &c.	—	gitude	& sets	—	—	and Weather.
1	W		12	16	22	11	27	27 8 23 Some fleet or
2	T	Pur. Candl. d.	13	28	17	morn	28	9 22 cold rain at
3	F	Blase	14	10	9	0	39	29 10 22 the begin-
4	S		15	22	4	1	51	30 12 21 ning.
5	A	Sexages. Sun.	16	4	6	3	3	— 13 19
6	M	[Agatha	17	16	20	4	7	1 14 18 ♂ ☉ 8
7	T	Adrian	18	28	49	5	5	2 15 17
8	W	Concordia	19	11	37	5	51	3 16 16 Δ ♀ ♂
9	T	Valentin	20	24	46	6	25	3 18 15 Now frosty
10	F	Agnes	21	8	16	6	50	4 19 14 and more
11	S	☉ eclips. vis.	22	21	6	sets	5	20 13 ☉ 24 ♂
12	A	Shrove Sun.	23	6	13	6	33	20 22 12 fair.
13	M	Hil. Te. en's.	24	20	32	7	57	7 23 11
14	T	Shrove Tues.	25	Valent.	9	2	7	24 10 Old Can. Day.
15	W	Ash Wednes.	26	19	28	10	50	18 25 10
16	T	St. Valentine	27	3	53	morn	19	26 9 ♂ ♂ 8
17	F	Cam. Tiden.	28	18	11	10	18	10 28 19
18	S	St. Valentine	29	2	19	1	45	10 29 19 Now wind
19	A	Quadr. B. in Lt.	30	16	15	3	25	11 00 D and rain may
20	M	St. Valentine	31	49	59	4	10	8 12 18 be expected,
21	T	St. Valentine	32	13	30	4	58	13 2 19 8 ♀ ♀
22	W	Ember Week	33	26	48	5	51	14 4 19 if not a fall
23	T	St. Valentine	34	9	53	5	56	14 5 19 of snow.
24	F	St. Matthias.	35	22	45	6	15	15 6 10
25	S	[D. of Can. d.	36	5	26	rises	16	7 10 Δ ☉ 21
26	A	St. John Lena	37	17	55	6	49	17 9 11
27	M	St. John Lena	38	10	12	7	59	17 10 11 Frosty and
28	T	St. John Lena	39	12	20	9	10	18 1 12 more fine.
29	W	St. John Lena	40	24	19	10	22	19 12 13

MARCH xxi Days.

M	D	h	m
1	2	6	
6	1	6	
11	1	5	
16	1	5	
21	0	5	
26	12	4	

Last Quarter the 4th day, at 4 in the afternoon.
 New Moon the 11th day, at 11 at night.
 First Quarter the 18th day, at 2 in the afternoon.
 Full Moon the 26th day, at 5 in the morning.

1	W	Remarkable Days &c.	☉	☽	Lon	Rises & sets.	☿	♀	♂	Mut. Aspects and Weather
1	T	David	11	6m	14	11 a 35	20	13	14	* ♀ ♀
2	F	Chad	12	18	15	morn.	21	15	15	
3	S	St. John	13	29	59	0 50	47	21	16	Some wind
4	G	S. in Lent	14	11	59	1 55	23	17	16	and wet at
5	M		15	24	10	2 58	23	18	18	the begin-
6	T		16	6	36	3 45	24	20	19	ning.
7	W	Perpetua	17	19	22	4 24	25	21	20	
8	T		18	1	22	5 34	25	22	21	
9	F		19	16	8	6 19	26	23	22	More fair and
10	S		20	6	10	7 23	27	24	23	fine for the
11	G	of Mid. Sun.	21	14	35	8 28	28	26	25	season.
12	M	Gregory	22	29	19	9 34	28	27	26	
13	P		23	14	13	10 39	29	28	27	
14	W		24	29	9	11 4	30	28	28	
15	F		25	13	59	12 32	30	28	28	Now expect
16	T		26	28	35	1 22	31	2	1	* ♀ ♀; ♂ ♂
17	S	St. Patrick	27	12	52	2 59	32	3	3	* ♀ ♀
18	G	S. in Lent	28	26	49	4 7	33	4	4	♂ ♀; ♂ ♀
19	M	[Ed. K. W. S.]	29	10	25	5 14	34	5	6	some cold
20	T		30	23	41	6 43	35	6	7	Δ 24
21	W	Benedict	31	6	41	7 7	36	7	9	8. O. b.
22	T		2	19	26	8 28	37	8	10	forms.
23	F	Canb. T. ends	3	1	59	9 45	38	9	12	
24	S	Oxf. T. ends	4	14	22	10 58	39	10	13	
25	G	P. Sun. Lad. &	5	26	36	12 11	40	11	15	Fine for the
26	M		6	8	43	1 13	41	12	16	season, and
27	T		7	20	44	2 16	42	13	18	perhaps some
28	W		8	2	40	3 27	43	14	20	frosts.
29	T	Maundy Th.	9	14	33	4 38	44	15	21	
30	F	Good Friday	10	26	24	5 49	45	16	23	
1	S		11	8	18	morn	46	17	25	

MARCH verifies the proverb, for you'll find,
 He's Lion like, as well as lamb in kind;
 Since then superior worlds so well agree,
 This world of ours, (sure) reconcil'd will be;
 Heaven's all commanding influence produce,
 Peace to poor shrubs, and 'mong tall cedars truce.

M	O	W	S	O	S	
D	h	m	h	m		OBSERVATIONS.
1	6	33	5	27		
2	6	31	5	29		is no security against the small-pox. But
3	6	29	5	31		it is not in vaccine or cow-pock inoculat
G	6	27	5	33		tion alone, that mistakes have been com-
5	6	25	5	35		mitted, even by practitioners of establish-
6	6	23	5	37		ed character. I, says Dr. Lettson, lately
7	6	21	5	39		attended two young persons under the
8	6	19	5	41		small-pox, each an only child, of con-
9	6	17	5	43		derable family, who had been inoculated
10	6	15	5	45		two or three years before, by respectable
G	6	13	5	47		gentlemen; and the mothers of the chil-
12	6	11	5	49		dren shewed me what they conceived to
13	6	9	5	51		be the marks or pitting from the inocu-
14	6	7	5	53		lated small-pox; happily, they both re-
15	6	5	5	55		covered from an alarming irruption of
16	6	3	5	57		the disease. Dr. Lettson, also says, 'He
17	6	1	5	59		once claimed but two relations, who were
G	6	59	6	1		inoculated with matter supposed to be
19	5	57	6	3		variolous, for small-pox matter, by an
20	5	55	6	5		eminent inoculator, who afterwards caught
21	5	53	6	7		the small-pox, one of whom died. These
22	5	51	6	9		instances of error, so injurious to the me-
23	5	49	6	11		dical character, and distressing to the com-
24	5	47	6	13		munity, should excite the most guarded
G	5	45	6	15		circumspection in the professors of the
26	5	43	6	17		healing art.
27	5	41	6	19		But to return, in spite of the best ob-
28	5	39	6	21		vious, and uniform success of vaccine in-
29	5	37	6	23		oculation
30	5	36	6	24		
31	5	34	6	26		

Last Quarter the 3d day, at 9 in the morning.

New Moon the 10th day, at 8 in the morning.

First Quarter the 16th day, at 12 at night.

Full Moon the 24th day, at 10 at night.

1	29	3
6	29	3
11	29	2
16	28	2
21	28	1
26	28	0

M W	Remarkable	☉	☽	☿	♂	♀	♂	Muc. Aspects
D D	Days, &c.	☿	Longitude	& sets	☿	♂	♂	and Weather
1 G	Easter day	12	20 17	om 53	14	20	27	April comes
2 M	E. ster Mond.	13	21 25	1 46	15	22	28	in cold.
3 F	Easter Tuesd.	14	Rich.	2 32	16	23	☿	
4 W	Ambrose	15	27 28	3 14	16	24	2	
5 T		15	10 32	3 25	17	25	4	
6 F	O. Lady-day	16	24 4	3 44	18	26	6	Some gentle
7 S		17	8 5	4 19	19	27	8	mills; or
8 G	Low Sunday	18	22 34	4 17	20	29	10	☿ ♀
9 M		19	7 27	4 32	20	11	12	showers of
10 T		20	22 37	sets	21	11	14	rain.
11 W	Oxf. & Cam.	21	7 8 53	9 18	22	21	16	
12 T	[Term beg.	22	23 4	10 39	23	31	18	More fine for
13 F		23	7 11 59	11 59	23	42	20	several days.
14 S		24	22 32	morn.	24	52	22	
15 G	2. S. at Easter	25	6 33 39	1 32	25	72	24	
16 M		26	20 18	1 48	26	82	26	☿ ☉ ♀
17 T		27	3 33	2 19	27	92	28	
18 W	Easter T. b.	28	16 26	2 41	27	108		☿ ☉ ♀
19 T	Alphege	29	29 1	2 59	28	112		☿ ☉ ♀
20 F		30	11 23	3 12	29	124		☿ ☉ ♀
21 S		1	23 33	3 25	☿	137	7	Rather
22 G	3. S. at Easter	2	5 37	3 38	1	15	9	Stormy now,
23 M	St. George	3	17 35	3 51	0	16	11	if not thun-
24 T		4	29 30	risen	2	17	13	der.
25 W	St. Mark Pts.	5	11 24	3 35	3	18	15	
26 F	[Mary b.	6	23 16	9 44	8	19	17	Warm and
27 S		7	5 9	10 50	4	20	19	fine with
28 G		8	17 6	11 46	5	21	21	good spring
29 M	4. S. at Easter	9	29 7	morn.	6	22	23	weather.
30 W		10	11 17	0 33	7	23	25	

Majors each morning with a gentle ray,
 Ushers the sun, and summons' us away,
 From lazy beds, our bodies up to rise
 When day begins to issue from the skies;
 Th' air's cloudy robe, returns to chrystal clear,
 And smiling Heaven's bright torches re-appear.

1. Oris. 2. Sets.				OBSERVATIONS.	
h.	m.	n.	m.		
3	5	32	6	28	
2	5	30	6	30	oculation, individuals have also opposed
3	5	28	6	32	the practice from a refinement of reason-
4	5	26	6	34	ing, that on the other hand appears to be
5	5	24	6	36	rather conclusive in its favour; they have
6	5	22	6	38	objected to it on account of its origin,
7	5	20	6	40	and conferred upon it, the epithet of a
G	5	18	6	42	beastly disease; but of the primary or first
9	5	16	6	44	sources of infectious disease, little is yet
10	5	14	6	46	clearly ascertained; that some have ori-
11	5	12	6	48	ginated from animals is certain; but of all
12	5	10	6	50	animals, the cow is most congenial to the
13	5	8	6	52	habits of man; its food is simple, and its
14	5	6	6	54	diseases are few: we are from infancy
G	5	5	6	55	nourished by its milk, and its flesh consti-
16	5	3	6	57	tutes a large portion of our food or ali-
17	5	1	6	59	ment; and surely a particle of matter ex-
18	4	59	7	1	tracted from this almost sacred animal,
19	4	57	7	3	can excite no disgust, or rational idea of
20	4	55	7	5	impurity; whilst that of man, too often
21	4	53	7	7	the creature of appetite and morbid in-
G	4	51	7	9	dulgence, with juices vitiated by intem-
23	4	50	7	10	perance, and a constitution injured by
24	4	48	7	12	vice, may indeed afford some suspicion of
25	4	46	7	14	contamination and impurity.
26	4	44	7	16	The cow-pock, this eruptive affection
27	4	42	7	18	of the nipples of the cow, has long exist-
28	4	40	7	20	ed in various parts of the countries of
G	4	39	7	21	Gloucester,
30	4	37	7	23	

MAY xxxi Days

M	D	h	m
1	27	30	
6	27	29	
11	27	29	
16	27	28	
21	27	28	
26	27	27	

Last Quarter the 2d day, at 11 at night.

New Moon the 9th day, at 4 in the afternoon.

First Quarter the 16th day, at 11 in the morning.

Full Moon the 24th day, at 2 in the afternoon.

W	Remarkable	☉	Longitude	Rises	♂	♀	☿	Planet Aspects
D	Days, &c.	8	gitude	& sets.	γ	II	8	and Weather
T	St. Phil. & Jas	11	23 1/2 39	1 m 7	7	24	27	Δ 7 8
W	Inv. of Cross	12	6 1/2 18	1 33	8	26	29	Cold and
F		13	19 1/2 18	1 54	9	27	11	windy,
E		14	2 1/2 43	2 11	10	28	2	☐ 5 9
S		15	16 1/2 36	2 26	10	29	4	Δ 14 9
G	Rogation S.	16	St. J. E.	A. P. L.	11	30	5	and perhaps
M	St. Y. p.	17	15 1/2 45	2 56	12	1	7	some shower
T		18	0 1/2 53	3 13	13	2	8	of rain.
W		19	16 1/2 11	sets	13	3	9	
T	Asc. Holy T	20	1 1/2 29	9 35	14	4	11	
F		21	16 1/2 35	10 48	15	5	12	
S		22	1 1/2 19	11 43	16	6	13	Drying winds
G	Saf. Asc.	23	15 1/2 37	morn	17	7	14	for some
M	T. ends [Mayd]	24	29 1/2 25	0 20	17	8	15	days.
T		25	12 1/2 46	0 45	18	9	16	
W		26	25 1/2 41	1 6	19	10	17	
T	Frs. Wales	27	8 1/2 15	1 24	20	11	18	Rather cool
F	Q. Ch. b	28	20 1/2 33	1 36	21	12	19	Δ 0 1/2
S	Whit. Sund.	29	2 1/2 40	1 49	21	13	20	for a few
M	Whit. Mond.	30	14 1/2 38	2 1	22	14	21	days.
T	Whit. Tuesd.	1	26 1/2 32	2 14	23	15	21	Fine and
W	Ember Week	2	20 1/2 17	2 48	24	17	21	pleasant.
T	Cam. T. d. n.	3	2 1/2 11	rises	25	18	22	
F		4	14 1/2 10	9 35	26	19	22	
S	Augustin	5	26 1/2 13	10 30	26	20	22	
G	Trinity Sun.	6	8 1/2 22	11 7	27	21	18	8 14 8
M	Vene. Bede	7	20 1/2 41	11 35	28	22	22	Very warm,
T	R. Cha. 2. rest	8	3 1/2 10	11 58	29	23	22	if not some
W	Oxf. T. begins	9	15 1/2 54	morn	29	24	22	thunder.
T	Corp. Christi	10	28 1/2 56	0 16	8	25	22	

England would fain transplant her fragrant flower,
 Amongst the Tories who unite their pow'r,
 To pull the crown from off the rose in vain;
 That land cannot such venom long contain.
 Then when the harp's new string'd and tun'd you see,
 By th' English hand, 'twill make sweet melody.

M	D		rises		sets		OBSERVATIONS.
	h	m	h	m	h	m	
1	4	35	7	25			
2	4	34	7	26			Gloucester, Wilts, Somerset, Buckingham, De-
3	4	32	7	28			von, Hants, Suffolk, Norfolk, Leicester, Staf-
4	4	30	7	30			ford, and vicinity of London, and other
5	4	28	7	32			parts; has been long and well known as a
G	4	27	7	33			preventative of the small-pox, but it was
7	4	25	7	35			not employed in medical practice till Dr.
8	4	23	7	37			Jenner introduced it to the knowledge of
9	4	22	7	38			the public; and now the experience of
10	4	20	7	40			several years has fully proved that inocu-
11	4	19	7	41			lation for the cow-pock is a certain <i>preser-</i>
12	4	17	7	43			<i>vative</i> against the small-pox; and is, be-
G	4	16	7	44			sides, so mild and safe a disorder, when
14	4	14	7	46			compared with the inoculated small-pox,
15	4	13	7	47			that it has now been generally introduced
16	4	11	7	49			amongst the better informed and more
17	4	10	7	50			wealthy inhabitants, both of this kingdom
18	4	8	7	52			and of various parts of Europe, &c. for no
19	4	7	7	53			one who has once had the cow-pock can after-
G	4	6	7	54			wards take the small-pox; this has now been
21	4	4	7	56			proved in many thousands of cases, in
22	4	3	7	57			which persons, after having had the cow-
23	4	2	7	58			pock, have been inoculated for the small-
24	4	0	8	0			pox, or have even lived in the same room,
25	3	59	8	1			or lain in the same bed with others cover-
26	3	58	8	2			ed with that disease, and yet have not
G	3	57	8	3			received the infection. This being the
28	3	56	8	4			case, it is better to inoculate with the
29	3	55	8	5			cow-
30	3	54	8	6			
31	3	53	8	7			

Last Quarter the 1st day, at 9 in the morning.

New Moon the 7th day, at 11 at night.

First Quarter the 15th day, at 1 in the morning.

Full Moon the 23d day, at 6 in the morning.

Last Quarter the 30th day, at 4 in the afternoon.

1	27	2
6	27	26
11	27	26
16	27	26
21	27	26
26	27	D

M	W	Remarkable	☉	☽	☿	♂	♀	♂	♀	☿	Mut. Aspects
D	D	Days, &c.	h	g	l	rises	& sets	h	m	s	and Weather.
1	F	Nicomede	11	12	X 19	om 30		1	26	21	
2	S	[Trin. T. b.	12	26	5	0 44		2	27	21	
3	G	1 S. af. Trin.	13	10	V 15	0 59		2	28	21	* ♀, ☐ 24
4	M	K Geo. III. b.	14	24	49	1 16		3	29	20	Fair and hot
5	T	D. of Cum. b.	15	9	8 42	1 36		4	29	20	now about.
6	W	[Boniface	15	24	47	2 4		5	30	19	
7	T		16	9	II 54	sets		5	1	19	
8	F		17	24	55	9 a 25		6	2	18	☉ ☽
9	S		18	9	38	10 12		7	3	17	Pleasant wea-
10	G	2 S. af. Trin.	19	23	50	10 44		7	4	17	ther, with
11	M	St. Barnabas	20	7	52	11 7		8	4	16	some flying
12	T		21	21	18	11 24		9	5	16	showers.
13	W		22	4	19	11 38		10	6	15	
14	T		23	16	57	11 50		10	7	15	
15	F		24	29	17	morn		11	8	15	
16	S		25	11	24	0 2		12	8	14	Cooling
17	G	3 S. af. Trin.	26	23	22	0 16		13	9	14	gales of wind.
18	M	Alban.	27	5	15	0 31		13	10	14	☐ ☉ ♀
19	T		28	17	7	0 46		14	10	14	with some
20	W	T. e. Tran. Ed.	29	29	1	1 12		15	11	14	D cloudy wea-
21	T	Longest day.	29	11	1	1 43		16	12	14	ther.
22	F		1	23	6	2 25		16	12	14	
23	S		2	5	19	rises		17	13	14	
24	G	4 S. af. Tr. Nat. J.	3	17	42	9 a 35		18	14	14	Fair and fine
25	M	[Bap.	4	0	15	9 58		18	14	14	now about.
26	T		5	13	0	10 17		19	15	15	
27	W		6	25	58	10 33		20	15	15	☐ ☉ 24, * ♀ ☽
28	T		6	9	12	10 46		21	16	16	
29	F	St. Peter.	7	22	41	11 0		21	16	17	Some shower
30	S		8	6	27	11 15		22	17	17	near the end.

rations near-at hand also, therefore let us not despair, but hope (at the worst) that these will in some Measure soften and alleviate the evil Genii of these unsettled Times; for we live in Times far from being tranquil and pleasant.

The SUN's ENTRANCE into the tropical Sign CANCER, which introduces the SUMMER QUARTER.

The Summer Quarter begins on *Thursday* the 21st Day of *June*, at 30 min. past 4 o'Clock in the Afternoon; at which Time the 11th deg. of π culminate, and the 21st deg. of η ascends in the East. The Planet *Mars* here is Lord of the Ascendant; in a Δ Aspect of the Planet *Saturn*, and in a $\square$ of φ . The Δ ab Δ of φ , ad 8 of ξ , et * of γ et $\square$ of γ . From the Positions of the Planets at this Ingress, I foresee that the general Affairs of *Europe* will be carried on with great Policy, and that there will be some eminent Councils and Debates held in the Cabinets of Princes, relating to Matters and Things that relate to Kingdoms and Nations; and if a Peace should not be concluded before this Time, between *England* and the *French Republic*, it will be concerning War and Peace, which I hope may be the latter, in Order to have it settled on a more solid and sure basis, than was done in 1802, under the baneful Influences of the late grand Conjunction of *Jupiter* and *Saturn* in π , which made that Peace very ill-timed, so that it could not well stand for any Length of Time, as has but too truly been the Case. I also expect feverish Distempers, Tertians, and Corruptions of the Blood, sudden Death, and that chiefly of the younger Sort; but the industrious Farmer is promised profitable Crops, and the careful Tradesmen Success and Profit in his Business and Employment.

The SUN's ENTRANCE into LIBRA, which introduces the AUTUMNAL QUARTER.

THIS Quarter commences when the *Sun* enters the first Point of *Libra*, which this Year happens on *Sunday* the 23d Day of *September*, at 47 min. past 6 in the Morning, when 11

38 ASTRONOMICAL OBSERVATIONS. SEASON.

deg. of α is on the Meridian, and 8 deg. of Δ ascends on the Eastern Angle.—The Moon ab $\square$ of φ , et $\ast$ of δ , and δ is angular in the Medium Cœli, in the Tropic of *Cancer*; and also in a $\square$ of η , who is situated on the Cusp of the Ascendant, but in a Δ of Υ posited in the second House in η . Thus stands the Face of the Heavens at this Ingress, which on the whole, implies some Loss to the Merchants of our Metropolis, by the turbulent and proud Temper of some of their Brethren, as well as by Pirates and impetuous Storms at Sea; but the prudent Conduct, and timely Care of the Government, will in a great Measure meliorate those Misfortunes. We also conclude and expect some very remarkable Revolutions and Alterations this Year, in mundane Affairs. *Holland*, have a Care of Inundations, Seditions, and Uproars, and perhaps in some Countries also nearer at Hand. Tertian Agues, Fevers, and other acute Diseases will be very rife now and in the ensuing Winter.

The SUN'S ENTRANCE into CAPRICORN, which introduces the WINTER QUARTER.

THIS Quarter begins when the Sun enters the First Point of the tropical Sign *Capricorn*, which this year falls on *Friday* the 21st Day of *December*, at 27 min. past 11 o'Clock at Night, at which Time 23 deg. of Π is on the Mid-Heaven, and 25 deg. of μ ascends in the East. The Moon ad. Δ of φ , et $\ast$ of φ ; and near this Time will fall a $\square$ of η and φ , and a δ of Υ and φ . From which I conclude, *France*, *Spain*, *Holland*, and *Italy*, are threatened with Divisions and Disappointments, of which I doubt our own nation is not like to be free. I heartily wish all may continue well at Home, and that by the Blessing of God we may triumph over our Enemies, and enjoy Health and a prosperous Trade.

Here is a Complication, good and bad,
 Better and worse, both will be seen and had.
 From the *Celestial* Powers doth appear,
 Both Peace and Love, and Enmity I fear.
 May the Good increase, and the Evil be suppress'd,
 And then all things will happen for the best.

ANSWERS

ANSWERS to the ENIGMAS, CHARADES, REBUSES, &c.
in our last.

Enigma 1. Love.

Do. 2. A Diphthong.

Do. 3. A Saw.

Do. 4. A Pill.

Do. 5. Peep.

Rebus 1. Nebuchadnezzar

Do. 2. Hutchinson.

Charade 1. Salt-Box.

Do. 2. Postage.

Do. 3. Death-Bed.

A GENERAL ANSWER to the ENIGMAS, &c

By the Shepherd of Bloomley Vale.

Shepherd's ('tis said) oft tune the pipe or reed,
While mingling flocks and herds around them feed,
Screen'd from the sun by arms of spreading trees,
That whisper peace with every passing breeze.

But diff'rent I my leisure hours employ,
Conscious the grove's blithe tenants far outvie,
The most exalted strains of art or skill,
As Nature outstrips those and ever will.

I love to listen to the linnet's lay,
Or goldfinch sweetly warbling on the spray.

Enig. 1.

Or with delight the busy bee behold,
Searching the curious floweret's inmost fold,
While the loud thrush and blackbird's mellow song,

Enig. 2.

Is sweetly heard the neighbouring shades among,
And when the blooming spring has run her race,
And faints and dies in summer's kind embrace,
In speakless joy I've look'd around and saw,

Enig. 3.

The works of Providence till sacred awe,
Absorb'd my soul in wonder and amaze.

And but "expressive silence mus'd his praise"
Whose power alone the boundless skie unfurl'd,
And without Pillars does sustain the world;

Enig. 4.

Whose earth this is, and all which it contains*,
Upon its surface, or rich treasur'd veins.

Each field of waving corn or forest's shade,
And every peeping flower or shiv'ring blade,

Enig. 5.

* Ps. xxiv. v. 1. Ex. ix. 29, and xix. 5. Deut. x. 14. Job. xli. 17

And every cloud that floats aloft in air,
 The wisdom of Omnipotence declare,
 Who can command the stormy winds to rise,
 And with loud thunders shake the earth and skies?
 Or on the wind's swift wing majestic ride,
 By various means to humble human pride,
 Who but the Lord of Lords and King of Kings,
 From whom our life and breath, and being springs; [Reb. 1.
Babel's proud monarch was constrain'd to own, *Nebuchad.*
 That He was ruler over all alone †.
 Dear youthful *Hutchinson* his name revere, Reb. 2.
 Obey his voice that to thy mental ear,
 By sacred admonitions is apply'd,
 In Wisdom's pleasant peaceful paths t' abide.
 Then thou, at last, when posted to old age. Box. C. 1, & C. 2.
 (If so long destin'd to tread life's stage,)
 Wilt find him near thee on the *Bed of Death* Cha. 3.
 To comfort the last moments of thy breath,
 And send thy soul to realms of endless Peace,
 Where pain and sorrow will for ever cease.
 That this the happy end of all might be,
 Is the desire of your's respectful,—E—

A GENERAL ANSWER to the ENIGMAS, &c.

By Mr. BENJAMIN KEMP, of Farnsfield.

IN AN ADDRESS TO MR. LEWIS.

Dear Lewis I saw by a peep at your rebus, Enig. 3, & 5.
 A hint, which to me seems as clear as bright Phœbus,
 That the beauteous Miss *Hutchinson's* gained your Love;
 Then may she your suit with affection approve. [R. 2, E. 3.
 And you, in return do your utmost to please her,
 And live happy and great as King *Nebuchadnezzar*. Reb. 1.
 That the damsel alike is both witty and fair, Enig. 2.
 Her lines wrote on *Postage* most amply declare, Cha. 2.
 How pleasing when beauties external we find,
 A partner like this operates as a Pill, Enig. 4.
 Makes easy a *Death-bed*, and soothes ev'ry ill. Cha. 3.
 Make's life smoothly pass 'till we yield up our breath,
 And the last Box incloses our ashes in death. Salt-Box, C. 1.
 Then may all earthly blessings await you while here,
 's the unfeigned wish of a friend most sincere.

* Pl. civ. v. 3, 18, 10.

† Dan. iv. v. 24.

AN ANSWER to the ENIGMAS, &c.

By Mr. WILLIAM WARING, of Leicester. With Thanks to
Mr. D. LEWIS, &c.

I thank you, friend Lew' and Miss *Hutchinson* too,
For your friendly petition to *Season*;
Hope he'll not refuse, nor make an excuse,
But grant what is wanted in reason;

We gladly shall pay, for the same I dare say,
Besides I will make him a present;
Will give him a *Saw*, without any flaw,
And *Aurora* will make him look pleasant.

And when he lies ill, will give him a *Pill*,
Which will, without doubt, make him better;
'Twill raise up his head, even from a *Death-bed*,
And *Postage* will pay for a letter.

As sure as I live, a *Salt-Box* will I give,
And *Love* him until my life's end;
And with him more pleasure than *Nebuchadnezzar*,
And always esteem him my friend.

AN ANSWER to the ENIGMAS, &c.

By Mr. JOHN COLES, of Weedon.

A LAMENTATION.

Farewel, ye empty toys of earth,
Your charms I *Love* no more;
Since I am banished from her,
Whom I so much adore.

Enig. 1.

Farewell blest springs, whose flowing robes,
Are *dipp'd* in colours gay;
Whose sweet perfumes fill the soft air,
Just at the *Peep* of day.

Enig. 2.

Enig. 4.

Enig. 5.

Farewell, ye tuneful warbling tribe,
Dull to my ears your song;
Since I the pleasing themes can't hear,
That flow from *Celia's* tongue.

I in her pleasing company,
Spend many happy hours,

She's dearer than the monarch's courts, *Nebuchad. R. 1.*
His grottoes, groves, or bowers.

When first I *saw* her lovely charms,
 Enamour'd was my mind;
 She was like *Hutchinson* possess'd,
 Of wit and sense refin'd.

Enig. 3.

Reb. 2.

Her conversation saving was,
 Like meat with *Salt*, well seasoned.
 And upon each subject she,
 Most politely reasoned.

Salt-box. C. 1.

When I a letter to her wrote,
 Fraught with all love can say;
 To it she will no answer send,
 Tho' I the *Postage* pay.

Gba. 2.

Thus I for *Celia* will lament,
 In mournful elegy;
 Till thro' life's changing scenes I'm toss'd,
 And on my *Death-bed* lie.

Gba. 3.

AN ANSWER to the ENIGMAS, &c.

By Miss MARTHA KEMP, of *Farnsfield*.

Season your subjects much I *Love*;
 I strive each *Diphthong*, to improve.
 For why should female genius fail?
 Or *Peep* behind oblivion's veil.
 'Twould prove a *Pill* of sad vexation,
 To *Saw* in 'twain this recreation.
Nebuchadnezzar's wonderous dream,
 Might well employ a poet's theme.
 But *Hutchinson* on *Postage* sings,
 Of *Salt-box* and more modern things.
 To keep th' aspiring muse alive,
 And bid the drooping mind revive,
 Or sure a *Death-bed's* gloom would seize us,
 Did fancy paint no scenes to please us.

Most of the ENIGMAS, &c. answered by Mr. DAVID LEWIS,
Belmond, near Knaresboro', Yorkshire.

ODE TO SOLITUDE.

Solitude, thou nymph serene,
 Lovely maid, with placid mein,

Enig. 1.
 Thy

Thy presence I invoke:
 By the bendings of the flood,
 In recesses of the wood,
 Or neath my fav'rite oak.
 There I'll meet the maid divine,
 Taste each tranquill joy of thine,
 Which crowds ne'er felt nor *saw*:
 There despise the lance and *Pill*;
 Content's a cure for ev'ry ill,
 Which thou, blest maid, canst draw.

Enig. 2.

Should the noon-tide fervors glow;
 Should the world be wrapt in snow,

Thou shalt by me be sought.
 Parishes their praise might bring
 To *Affyria's potent King*,
 Till he by thee was taught.

Rrb. 1.

Hutchinson hath felt thy power,
 To improve the vacant hour,
 To elevate the mind:
 Not the cynic's surly sneer,
 But gain useful knowledge there;
 The *Salt* of human kind.

Salt-box, Cba. 1.

(What ere I see—where ere I pass,
 The loity leaf, or grovling grass
 That clothes the crumbling clod:
 Thro' creation's wide domain,
 Sea, or land, or hill, or plain,
 All shew the work of God.)

Thou shalt teach me how to live,
 Thou shalt social lessons give,
 Which practice shall apply:
 While I'm *passing* on to age,
 I will oft thy help engage
 To teach me how to die.

Cba. 2.

Cba. 3.

True Answers were sent to the Enigmas, &c. by Mr. HENRY SWIFT, of Farnfield; Mr. JOHN SHIPMAN, of Bishops Cornings, Wilts; and several others. I am sorry to say, that Mr. JOHN SMITH's letter of the 26th of April, 1802, never came to hand until too late for insertion; is also did a letter of Mr. G. SIM—N, of Thingdon, dated April 27, 1802; by which I find there was an error of the Press, in leaving out the fourth line of his Charade. Mr. J. HARDY's first letter never came to hand. Letters should always be sent before the middle of April.

NEW ENIGMAS, &c. for the Year 1804.

FIRST ENIGMA, *by the Shepherd of Bloomley Vale.*

Ye high-learned bards whose productions each year
 Adorn "*Speculum Anni's*" page,
 To the tale of a poor humble Shepherd give ear,
 Nor view with the eye of a critic severe,
 What here is design'd to engage,
 To engage you, I say, as to puzzle I ween,
 Claims a genius superior to mine,
 Being fully convinced your discernment so keen,
 Though deepest drawn shades at one piercing glance seen,
 Your wits so refulgently shine.

Remote from the bustle and noise of the town,
 The peace of the country I share,
 Constructed by some humble peasant or clown,
 When wintry tempests have ceased to frown
 Thro' troubled regions of air.

When Nature's preparing for tranquil repose,
 And eve stretches round a deep shade,
 While fragrant flower's their dewy heads close,
 And Cynthia her borrowed lustre bestows,
 My muse is mostly display'd.

In this solemn season, when labour is o'er,
 Such vagrant beings there are,
 Who sometimes my residence strive to explore,
 And cruelly rob me of part of my store,
 Such usage I'm subject to bear.

I travel each day, tho' it must be confess'd,
 'Tis slowly—but what will surprize,
 Each step that I take may furlong, at least,
 Be heard—and my travels hereafter are blest,
 With Ceres's bounteous supplics.

SECOND ENIGMA, *by Pilgrim.*

Two feet I have, a head and mouth,
 A thousand eyes or more;
 And ribs I own, but ne'er a tooth,
 Strange being I'm therefore.

What

What yet will give you more surprize,
 The food I eat rebel,
 Goes from my mouth, quite thro' my eyes,
 And bids me so farewell !

THIRD ENIGMA, *by Mr. BENJ. KEMP, of Farnsfield.*

Ye fam'd Seasonian bards awhile attend
 A constant guardian and a faithful friend,
 Mankind's associate, trusty, firm, sincere;
 Who in my presence nothing need to fear.
 A certain general once to please a boy,
 Lay ten long years before the walls of Troy.
 At his return so chang'd so different grown,
 He to his own domestics was unknown,
 I only, I my long lost master knew;
 And to his fond caresses eager flew.
 By me recogniz'd, and his features trac'd;
 His wond'ring friends their welcome loud embrac'd.
 Learn, then, forgetful man, learn here in me;
 A perfect lesson of fidelity.
 Shun base ingratitude, contempt, and pride,
 And take this good example for thy guide.

FOURTH ENIGMA, *by Mr. JOHN COLES, of Weedon.*

Before the circling name of time,
 Or months, or years, were known;
 I in the great Eternal's mind,
 Most eminently shone.
 By me the glorious skies above,
 Were in due order fram'd,
 And all the shining works of light
 Were distinctly form'd.
 By me the world's foundations were
 Laid with exquisite skill;
 And all the watery columns did
 Their bounded channels fill.
 By me each tree, green herb, and plant,
 Receiv'd its native birth;
 By me each flower of different hue,
 Adorn'd this wonderful earth.

For ages long, I've flourish'd
 In seminaries great;
 And many by my powerful aid,
 Rise to exalted state.

By me did Bacon's genius pierce
 Thro' darkest glooms of night,
 And on the cause of science cast,
 Refulgent beams of light.

By me immortal Newton fix'd,
 The laws of gravity;
 And penetrated by my aid,
 Deep in astronomy.

Me, the great monarch, David's son,
 Ask'd of the God of Heaven,
 And in answer to his prayer,
 I unto him was given.

But to perfection, I ne'er shall
 Upon the earth be found,
 But in the happy realms above,
 I fully shall abound.

FIFTH ENIGMA, by Mr. W. BOYER, of Leyland Free School,
 near Preston.

Prepare ye enigmatical boasters of reason,
 And say what I fit most when caught in right season,
 I am white on one side, and red on the other,
 And tho' I've no parent, yet call earth my mother;
 To stand on one leg it was always my custom,
 And in form I'm most like aspherical frustum;
 I'm left at my birth, without guard or protection,
 And the space of twelve hours brings me quite to perfection.
 I've sure hinted enough, yet once more then adieu,
 I'm no herb, fowl, or beast, yet am relish'd by you.

FIRST REBUS, by E. —, "the Shepherd of Bloomley Vale."

What time the labouring humble peasant gains,
 His tranquil cottage, if you might divide,
 With a triangle, it to you explains,
 What every spring adorns the groves and plains,
 With innocence attending at its side.

SECOND

SECOND REBUS, *by Mr. WM. BOYER.*

Five tenths of one hundred, if plac'd by the bye,
 Two thirds of that object which shews us the sky,
 What best fits a gentleman out for his sport,
 Will shew you a town of the pleasanter sort.

THIRD REBUS, *by Pilgrim.*

A stroke with a dash, will in music, discover,
 The name of Miss—my affectionate lover.

FIRST CHARADE, *by Mr. JOHN SAVAGE.*

My first with every beast is seen,
 That haunt the wood or graze the green,
 But not to beast alone confin'd,
 It decorates all human kind.
 My second mourns departed friends,
 Or when fair Sylvia condescends
 To bless for life her faithful swain,
 Does sweetly harmonize the plain,
 When nature with luxuriant hand,
 Strews plenty o'er a smiling land,
 My whole in Flora's train you'll find,
 Sporting with every gentle wind.

SECOND CHARADE, *by Mr. J. HARDY, of Lartington.*

Ye giddy youth improve my first,
 While you dwell on life's stage;
 My flatt'ring next don't eager court,
 Its all an empty shade,
 My whole deep warning doubtless must impart,
 To wake to virtue each lethargic art.

THIRD CHARADE, *by Mr. BENJ. KEMP, of Farnsfield.*

My first is a river, my next the way over,
 My whole a large town on my first will discover.

FIRST QUERY, by Mr. JOHN COLES, of Weedon.

What is meant by the Ions of God marrying the daughters
men? *Gen. vi. 2.*

SECOND QUERY, by E——, "*the Shepherd of Bloomsley
Vale.*"

The tree of life, and tree of knowledge,
Were they distinctly two,
Or only one? Ye taught in college,
I here appeal to you.

* The Author, HENRY SEASON, humbly thanks all his
Contributors, and begs their Letters may be sent, as usual, directed for
him, at Stationers'-Hall, LONDON (Post paid); by the 15th of April at
farthest, with Answers to whatever they send; otherwise they cannot be
used. He is sorry to find some letters were too late the year before.

FINIS.

Printed for the COMPANY of STATIONERS,

By G. WOODFALL, No. 22, Paternoster-Row, London.

Ὀλύμπια Δάματα

O R, A N

ALMANACK

For the YEAR of

Our LORD GOD, 1804;

Being

BISSEXTILE, or LEAP-YEAR,

And from the World's Creation, 5808.

Wherein are Contained the Lunations, Conjunctions, Aspects, and Effects of the Planets; the Increase, Decrease, and Length of the Days and Nights; with the Rising, Southing, and Setting of the Planets and fixed Stars throughout the Year; whereby may be known the exact Hour of the Night at all Times, when either the Moon or Stars are seen.

Calculated according to Art, and referred to the Horizon of the ancient and renowned Borough Town of *Stamford* (formerly a famous University) whose Latitude is 52 Deg. 20 Min. fitting all the middle Counties of *ENGLAND*, and, without sensible Error, the whole Kingdom.

Non est e Terris mollis ad Astra Via

By **TYCHO WISEMAN** Mathematic.

L O N D O N

PRINTED for the COMPANY 1824

By M. Brown, St. John's-square, Clerkenwell,

And sold by G. GREENHILL, at their Hall, near Ludgate-Street.

[Price, stitched, SEVENTEEN-PENCE.]

Common NOTES and Moveable FEASTS.

Dominical Letter	- A G	Septuagesima Sund.	Jan. 29
Golden Number	- 19	Shrove Sunday	Feb. 12
Epaict	- 18	Easter Day	April 1
Cycle of the Sun	- 21	Whit-Sunday	May 20
Roman Indiction	- 7	Trinity Sunday	May 27
Number of Direction	- 12	Advent Sunday	Dec. 2

A CATALOGUE of the Most Reverend, Right Reverend, and Reverend, the Archbishops, Bishops, and Deans, exercising Ecclesiastical Jurisdiction in England.

<i>Archbishops.</i>	<i>Deans Names.</i>	<i>Sees Names.</i>
Dr. John Moore	Dr. Tho. Powys	Canterbury
Dr. Wm. Markham	Dr. Geo. Markham	York
<i>Bishops.</i>		
Dr. Beilby Porteus	Bishop Pretyman	London
Hon. Dr. S. Barrington	Bishop Cornwallis	Durham
Hon. Dr. Br. North	Dr. Newton Ogle	Winchester
Hon. Dr. James Yorke	Dr. Wm. Pearce	Ely
Dr. Richard Hurd	Dr. Arthur Onslow	Worcester
Dr. F. H. W. Cornwall	Dr. Nat. Wetherell	Hereford
Hon. Dr. J. Cornwallis	Dr. Baptist Proby	Litchf. & Cov.
Dr. Richard Watfon	Mr. S. Gale, Prec.	Landaff
Dr. Geo. Pretyman	Dr. Sir Rich. Kaye, Bt.	Lincoln
Dr. John Douglas	Dr. John Ekins	Salisbury
Dr. Samuel Horsley	Dr. W. D. Shipley	St. Asaph
Dr. William Cleaver	Mr. John Warren	Bangor
Dr. Richard Beadon	Dr. Geo. Wm. Lukin	Bath & Wells
Hon. Dr. E. V. Vernon	Dr. Haac Milner	Carlisle
Hon. Dr. C. M. Sutton	Dr. Joseph Turner	Norwich
Dr. Spencer Madan	Dr. Tho. Kipling	Peterborough
Dr. John Fisher	Mr. Talbot	Exeter
Hon. Dr. G. Pelham	Dr. Sparke	Bristol
Dr. John Buckner	Mr. Combe Miller	Chichester
Dr. John Randolph	Dr. Cyril Jackson	Oxford
Dr. H. W. Maiendie	Dr. George Cotton	Chester
Dr. Thomas Burgess	Mr. Wollaston, Prec.	St. David's
Dr. Tho. Dampier	Dr. Goodenough	Ruthester
Dr. G. I. Huntingford	Dr. John Luxmore	Gloucester
	Dr. Vincent	Westminster
	Bishop Sutton	Windfor
Mr. Claudius Crigan		Sodor & Man

A TABLE of TERMS and Returns.

HILARY Term begins January 23, ends February 13.

Returns or Enroll Days.	Exc.	Ret.	App.	W. D.
In eight Days of St. Hilary	Jan. 29	31	23	21 Mond.
In fifteen Days of St. Hilary	Feb. 5	28	30	28 Mond.
On the Mor. of the Purif. of the Bl. V. M.	Feb. 3	4	5	6 Mond.
In eight Days of the Purif. of the Bl. V. M.	Feb. 10	11	12	13 Mond.

EASTER Term begins April 10, ends May 14.

In fifteen Days of Easter	April 15	16	17	18 Wedn.
From Easter Day in three Weeks	April 22	23	24	25 Wedn.
From Easter Day in one Month	May 6	30	31	2 Wedn.
From Easter Day in five Weeks	May 13	7	8	9 Wedn.
On the Mor. of the Ascension of the Lord	May 14	12	13	14 Mond.

TRINITY Term begins June 1, ends June 20.

On the Morrow of the Holy Trinity	May 29	29	30	31 Friday.
In eight Days of the Holy Trinity	June 6	7	8	9 Wedn.
In fifteen Days of the Holy Trinity	June 13	11	12	13 Wedn.
From the Day of the Holy Trinity in 3 W.	June 17	18	19	20 Wedn.

MICHAELMAS Term begins November 6, ends November 28.

On the Morrow of All Souls	Nov. 8	4	5	6 Tuesd.
On the Morrow of St. Martin	Nov. 12	13	14	15 Thurs.
In eight Days of St. Martin	Nov. 18	19	20	21 Wedn.
In fifteen Days of St. Martin	Nov. 25	26	27	28 Wedn.

N. B. No Sittings in Westminster Hall on the Second of February, Ascension Day, and Midsummer day.

The Exchequer opens eight Days before any Term begins, except Trinity, before which it opens but Four Days.

Note, The first and last Days of every Term, are the first and last Days of Appearance.

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Co. Pleas. John Heath, Esq. Sir Alan Chambers, Kt.
- IV. In the { Sir Arch. McDonald, Knt. L. C. B. Sir Alex. Thompson, Kt.
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The Year, Month, and Day, when each King and Queen began to reign, accounting the Year to begin January 1.		Length of each Reign.			Number of Years expired since their Reigns ended.	
Kings Names	began to reign	Y.	M.	D.	end	Kings Names
William I.	1066 Oct. 14	20	10	26	717	William 1
William II.	1087 Sept. 9	12	10	24	704	William 2
Henry I.	1100 Aug. 2	35	3	29	669	Henry 1
Stephen	1135 Dec. 1	18	10	24	650	Stephen
Henry II.	1154 Oct. 25	34	8	11	615	Henry 2
Richard I.	1189 July 6	9	9	0	605	Richard 1
John	1199 April 6	17	6	13	588	John
Henry III.	1216 Oct. 19	56	0	28	532	Henry 3
Edward I.	1272 Nov. 16	34	7	21	497	Edward 1
Edward II.	1307 July 7	19	6	18	477	Edward 2
Edward III.	1327 Jan. 25	50	4	27	427	Edward 3
Richard II.	1377 June 21	22	3	8	405	Richard 2
Henry IV.	1399 Sept. 29	13	5	20	391	Henry 4
Henry V.	1413 Mar. 20	9	5	11	382	Henry 5
Henry VI.	1422 Aug. 31	38	6	4	343	Henry 6
Edward IV.	1461 Mar. 4	22	1	5	321	Edward 4
Edward V.	1483 April 9	0	2	13	321	Edward 5
Richard III.	1483 June 22	2	2	0	319	Richard 3
Henry VII.	1485 Aug. 22	23	8	0	395	Henry 7
Henry VIII.	1509 April 22	37	9	6	257	Henry 8
Edward VI.	1547 Jan. 28	6	5	8	251	Edward 6
Q. Mary I.	1553 July 6	5	4	11	246	Q. Mary
Q. Elizabeth	1558 Nov. 17	44	4	7	201	Q. Elizabeth
James I.	1603 Mar. 24	22	0	3	179	James 1
Charles I.	1625 Mar. 27	23	10	3	155	Charles 1
Charles II.	1649 Jan. 30	36	0	7	119	Charles 2
James II.	1685 Feb. 6	4	0	7	115	James 2
Will. 3. & M.	1689 Feb. 13	13	0	23	102	William 3
Q. Anne	1702 Mar. 8	12	4	24	90	Q. Anne
George I.	1714 Aug. 1	12	10	10	77	K. George 1
George II.	1727 June 11	33	4	14	44	K. George 2
George III.	1760 Oct. 25	Crowned Sept. 22, 1761.				

The Use of the following TABLE of the Moon's Southing, to find the Time of High-Water, and the Hour of the Night.

I. To find the Time of High-Water in most Parts of
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Take the Time of the Moon's Southing for the Day proposed; and to that add the Hours and Minutes which stand against the Place required in the following Table of Sea-Coasts; and the Sum will be the Time of High-Water at the Place required on that Day.

A Table of the Sea Coasts.

	H.	M.
Portsmouth, Queenborough, Southampton,	0	00
Rochester, Winchelsea, Flushing,	0	45
Poore, Gravesend, Ramkin, Guernsey,	1	30
Denbigh, Bell-Isle, Holy-Isle, Downs-Road,	2	15
London, Timmuth, Whiby, Harlepool,	3	00
Scarborough, Berwick, Flushing, Staples,	3	45
Flamborough, Humber, Bridlington-Bay,	4	30
Plymouth, Ramsey, Newcastle, Severn,	5	15
Lynn, Fosdyke, Hull, Weymouth, Dartmouth, Croft-Key,	6	00
Boston, Start-Point, Foulness, Bristol-Key,	6	45
Bridgewater, Milford Haven, Lizard, Wintertown,	7	30
Yarmouth, Isle of Wight, the Needles,	8	15
Isle of Man, Orkney, Peel, South-Foreland,	9	10
Dover, Harwich, Orfordness, Bullen,	10	10
Rye, Solebay, Margate-Road,	11	15

II. To find the Hour of the Night by the Shadow of the
Moon on a Sun-Dial.

1. When the Shadow falls precisely on the Hour 12, then the Time of the Moon's Southing, found in the preceding Table, is the exact Time of Night. But in other Cases,

2. If the Shadow wants of 12, see how much it wants of 12; which Time, subtracted from that of the Moon's Southing, leaves the Time of Night. *Note*, You must add 12 Hours to the Moon's Southing, if Need be.

3. If the Shadow has past 12, add the Time that it has past it to the Time of the Moon's Southing; the Sum will be the Time of Night required; abating 12 Hours from that Sum, if Need be.

A Treatise of the Moon's Sovereign & Of excellent Use to

M	January	February	March	April	May	June	M
D	h	m	h	m	h	m	D
1	3	14	3	43	4	14	1
2	3	14	4	25	5	14	2
3	4	10	5	18	6	10	3
4	5	17	6	14	7	17	4
5	5	57	6	42	7	18	5
6	6	39	7	33	8	11	6
7	7	23	8	27	9	20	7
8	8	9	9	22	10	15	8
9	8	59	10	16	11	10	9
10	9	52	11	9	12	10	10
11	10	46	12	1	1	10	11
12	11	41	1	51	2	10	12
13	12	34	1	40	3	10	13
14	14	25	2	29	4	10	14
15	27	14	3	20	5	10	15
16	30	12	4	13	6	10	16
17	30	49	5	0	7	10	17
18	47	37	6	0	8	10	18
19	58	27	7	8	9	10	19
20	60	20	8	8	10	10	20
21	7	17	9	5	11	10	21
22	8	11	9	58	12	10	22
23	10	10	10	48	1	11	23
24	10	17	11	34	1	11	24
25	11	12	11	11	1	11	25
26	11	10	12	0	2	11	26
27	12	0	12	55	3	11	27
28	12	55	1	40	4	11	28
29	12	40	2	21	5	11	29
30	12	21	3	10	6	11	30
31	3	3	3	27	7	11	31

Spring Quarter begins March 20 7h 3m afternoon.
 Summer Quarter begins June 21 4 50 afternoon.
 Autumn Quarter begins Sept. 23 6 47 morning.
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A TABLE of TERMS and Returns.

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Returns or Enjoign Days.	Exc.	Ret.	App.	W. D.	
In eight Days of St. Hilary	Jan. 29	21	22	23	Mon.
In fifteen Days of St. Hilary	Feb. 3	23	24	25	Mon.
On the Mor. of the Purif. of the Bl. V. M.	Feb. 3	4	5	6	Mon.
In eight Days of the Purif. of the Bl. V. M.	Feb. 10	11	12	13	Mon.

EASTER Term begins April 10, ends May 14.

In fifteen Days of Easter	April 15	16	17	18	Wedn.
From Easter Day in three Weeks	April 22	23	24	25	Wedn.
From Easter Day in one Month	May 6	7	8	9	Wedn.
From Easter Day in five Weeks	May 13	14	15	16	Wedn.
On the Mor. of the Ascension of the Lord	May 14	15	16	17	Mon.

TRINITY Term begins June 1, ends June 20.

On the Morrow of the Holy Trinity	June 1	2	3	4	Friday
In eight Days of the Holy Trinity	June 8	9	10	11	Wedn.
In fifteen Days of the Holy Trinity	June 15	16	17	18	Wedn.
From the Day of the Holy Trinity in 3 W.	June 22	23	24	25	Wedn.

MICHAELMAS Term begins November 6, ends November 28.

On the Morrow of All Souls	Nov. 6	7	8	9	Tuesd.
On the Morrow of St. Martin	Nov. 12	13	14	15	Thurs.
In eight Days of St. Martin	Nov. 19	20	21	22	Wedn.
In fifteen Days of St. Martin	Nov. 26	27	28	29	Wedn.

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London, Tinnmouth, Whitby, Hartlepool,	3	00
Scarborough, Berwick, Flushing, Staples,	3	45
Flamborough, Hamber, Bridlington-Bay,	4	30
Plymouth, Ramsey, Newcastle, Severn,	5	15
Lynn, Faldyke, Hull, Weymouth, Dartmouth, Croft-Keys,	6	00
Boston, Start-Point, Fowness, Bristol-Key,	6	45
Bridgewater, Milford Haven, Lizard, Wintertown,	7	30
Yarmouth, Isle of Wight, the Needles,	8	15
Isle of Man, Orkney, Peel, South-Foreland,	9	10
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A Table of the Moon's Successive Positions of Ecliptic Ura to

M	January	February	March	April	May	June	M
D	h	m	h	m	h	m	D
1	3	14	3	43	4	44	1
2	3	57	4	29	5	15	2
3	4	37	5	18	6	10	3
4	5	17	6	10	7	10	4
5	5	57	6	42	7	40	5
6	6	39	7	33	8	36	6
7	7	11	8	27	9	30	7
8	8	0	9	22	10	24	8
9	8	59	10	16	11	18	9
10	9	52	11	9	12	11	10
11	10	46	12	0	13	4	11
12	11	41	1	51	14	0	12
13	12	34	1	40	15	0	13
14	14	25	2	29	16	0	14
15	27	14	3	20	17	0	15
16	30	0	4	13	18	0	16
17	30	49	5	0	19	0	17
18	47	37	6	0	20	0	18
19	58	27	7	8	21	0	19
20	60	20	8	8	22	0	20
21	7	01	9	5	23	0	21
22	8	11	9	58	24	0	22
23	10	0	10	50	25	0	23
24	10	17	11	34	26	0	24
25	15	0	11	14	27	0	25
26	18	0	12	0	28	0	26
27	0	0	12	50	29	0	27
28	0	55	1	40	30	0	28
29	0	50	2	30	31	0	29
30	0	45	3	20	32	0	30
31	3	31	3	20	33	0	31

and in 1804, the first of the Moon's Successive Positions of Ecliptic Ura to
 Spring Quarter begins - March 20 7h 30m afternoon.
 Summer Quarter begins - June 21 4 50 afternoon.
 Autumn Quarter begins - Sept. 23 0 47 morning.
 Winter Quarter begins - Dec. 21 11 27 night.

The Moon's Southing.

7

find the Time of High-Water, and the Hour of the Night.

M.	July		August		September		October		November		December		M
D	h	m	h	m	h	m	h	m	h	m	h	m	D
1	6	16	7	m 54	9	m 46	10	m 1	11	m 14	11	m 22	1
2	7	8	8	59	10	39	10	5	11	55	0	a 11	2
3	8	4	9	58	11	26	11	42	0	a 42	4	—	3
4	9	4	10	56	0	a 10	0	a 25	1	31	1	5f	4
5	10	8	11	51	0	54	1	9	2	21	2	40	5
6	11	12	0	a 41	1	37	1	55	3	11	3	27	6
7	0	a 14	1	27	2	20	2	42	4	4	4	12	7
8	1	11	2	10	3	5	3	32	4	50	4	56	8
9	2	3	2	53	3	51	4	22	5	37	5	40	9
10	2	5	3	35	4	40	5	13	6	23	6	25	10
11	3	35	4	19	5	30	6	4	7	9	7	12	11
12	4	17	5	4	6	21	6	53	7	55	8	2	12
13	4	59	5	50	7	13	7	42	8	42	8	57	13
14	5	41	6	40	8	5	8	30	9	33	9	56	14
15	6	24	7	31	8	55	9	17	10	27	10	1	15
16	7	9	8	23	9	45	10	6	11	27	morn	—	16
17	7	57	9	15	10	33	10	50	morn	—	0	7	17
18	8	47	10	7	11	22	11	50	0	3	1	10	18
19	9	30	10	58	morn	—	morn	—	1	36	2	12	19
20	10	31	11	47	0	11	0	47	2	47	3	6	20
21	11	23	morn	—	1	2	1	48	3	42	3	56	21
22	morn	—	0	35	1	57	2	52	4	38	4	43	22
23	0	14	1	22	2	54	3	56	5	29	5	26	23
24	1	3	2	11	3	55	4	58	6	15	6	8	24
25	1	50	3	—	4	57	5	55	6	59	6	50	25
26	2	36	3	55	5	59	6	48	7	41	7	33	26
27	3	23	4	52	6	58	7	36	8	23	8	18	27
28	4	11	5	52	7	53	8	21	9	5	9	5	28
29	5	1	6	54	8	44	9	4	9	48	9	54	29
30	5	55	7	55	9	31	9	40	10	34	10	44	30
31	6	53	8	53	—	—	10	28	—	—	11	34	31

VENUS is an Evening Star till August 4; and then a Morning Star for the rest of the Year.

JUPITER is a Morning Star till April 21; then an Evening Star till November 18; then a Morning Star to the end.

Lunations.		M	Jupiter	Venus
		D	rises	sets
Last Quarter	4th day, at 10 night	1	2 m 12	53 27
New Moon	12th day, at 9 night	7	1 51	5 42
First Quarter	19th day, at 10 night	13	1 2	6 0
Full Moon	26th day, at 9 night	19	1 6	6 17
		25	0 48	6 35

W	Holy Days, ☉ rises & sets	D's Longit.	D's Declin.	D rises & sets	Aspects and Weather
1 A	Circumcision	1 m 55	9 n 20	9 a 11	☐ ☿ ☿
2 M		14 22	3 4	10 2	☐ ☿ ☿
3 Tu	☉ rises 8h 4m	26 33	1 s 50	11 33	☐ ☿ ☿
4 W	☉ sets 3h 57m	8 a 33	7 17	morn	☐ ☿ ☿
5 Th		20 2	12 24	0 42	driving rain, or
6 F	Epiphany	2 m 18	17 4	1 53	Tues. d. O. C.
7 S		14 13	21 6	3 5	snow.
8 A	1 S. aft. Epiph.	26 15	24 18	4 10	
9 M	Plo. Mond. [Luc	8 f 29	25 27	5 25	
10 Tu		20 56	27 20	6 29	☐ ☿ ☿, ☐ ☿ ☿
1 W	☉ rises 7h 57m	3 s 38	26 49	7 22	
2 Th		16 36	24 50	D sets	More open, with
3 F	Hil. Ca. Te. b	29 42	21 29	4 a 47	O. New Yr's d.
4 S	Oxf. T. begins	13 m 1	16 56	0 1	wind and rain
5 A	2 S. aft. Epiph.	26 56	11 27	7 35	
6 M		10 x 45	5 21	8 56	
7 Tu	☉ sets 4h 10m	24 43	1 n 3	10 18	
8 W	☉ Ch. b. day E.	8 y 47	7 27	11 42	Rough winds,
9 Th	[Pris: O. 12th d.	22 56	13 29	morn	
10 F	Fabian	7 8 7	18 50	1 8	with frosts.
11 S	Agnes [Vincent	21 19	23 9	2 35	
12 A	3 S. aft. Epiph.	5 n 29	26 4	4 0	Dark cloudy
13 M	Hil. T. begins	19 34	27 20	5 14	
14 Tu		3 s 31	26 51	6 16	☐ ☿ ☿
15 W	Conv. St. Paul	17 17	24 42	7 15	☐ ☿ ☿
16 Th	eclipsed, vis.	0 n 49	21 11	D rises	weather with snow
17 F	O. of Suffex b.	14 4	16 37	5 a 21	or rain.
18 S	☉ rises 7h 34m	27 3	11 23	6 38	Frosts.
19 A	Septuages. Sun.	9 m 44	5 48	7 54	
20 M	K. Ch. I. mart.	22 5	0 7	9 4	☐ ☿ ☿
21 Tu	☉ sets 4h 31m	4 a 21	5 s 28	0 15	

M	Saturn		Jupiter		Mars		Venus	
	Longit.	Declin.	Longit.	Declin.	Longit.	Declin.	Longit.	Declin.
1	30 27	0 45	31 12	22 5	31 24	24 8	31 14	21 47
7	3 33	0 45	3 02	22 7	58 24	0 6	42 20	8
13	3 33	0 45	3 42	22 3	32 23	43 14	11 18	7
19	3 33	0 48	4 19	22 46	9 23	24 21	40 15	49
25	3 27	0 52	4 50	22 56	21 40	23 30	29 8	13 15

M	Longit.	Declin.	Observations
1	9 57	23 8	Seven stars south at 53m. past 8 at night
2	10 5	23 1	Day breaks about 6 o'clock
3	14 0	22 55	
4	13 1	22 50	Day 7 hours 54 minutes long
5	14 2	22 44	in apogeo, farthest from the earth
6	15 3	22 37	
7	16 4	22 30	
A	17 6	22 22	Aldebaran south 10m. past 9 at night
C	18 7	22 14	
O	19 8	22 6	Days have increased 12 minutes
11	20 9	21 57	Saturn rises 39min. past 10 at night
12	21 10	21 48	
13	22 11	21 38	Saturn stationary, as seen from the earth
14	23 13	21 28	
A	24 14	21 18	Orion's Belt south 4 1/2 m. past 9 at night
16	25 15	21 7	
17	26 16	20 55	Mars rises 24min. past 7 morning
18	27 17	20 44	
19	28 18	20 31	in perigeo, nearest the earth
20	29 19	20 19	
21	Q 20	20 6	Sun enters 22 at 4 in the morning
A	1 21	19 52	Mercury's greatest elong. from the Sun
23	2 22	19 39	
24	3 23	19 25	Mercury don't set till 3m. past 6 at night
25	4 24	19 11	
26	5 25	18 56	Moon eclipsed, visible here
27	6 26	18 41	
28	7 27	18 26	Day breaks 35min. past 5 o'clock
A	8 28	18 10	Mercury stationary, as seen from the earth
30	9 28	17 54	
31	10 3	17 28	

Lunations.				M	Jupiter	Venus
				D	times	times
Last Quarter	3d day, at	7 night		1	0 m 18	0 56
New Moon	11th day, at	1 morning		7	11 51	7 16
First Quarter	18th day, at	5 afternoon		13	11 28	7 35
Full Moon	25th day, at	1 afternoon		19	11 12	7 52
				25	11 42	8 15

M	W	Holy Days,	D's	D's	D rises	Aspects and
			Longit.	Declin.	& sets	Weather
1	W	☉ rises 7h 27m	16 22	10 54	11 42	Sleet or rain
2	Th	Pur. or Candle.	28 17	15 37	morning	cold rains.
3	F	Blasf.	10 m 9	19 53	Q 39	
4	S		22 4	23 22	Y 51	
5	A	Sexages. Sun.	4 f 6	25 12	3 3	Now
6	M	[Agatha]	16 20	27 13	4 7	☉ ☉ ☉
7	Th		28 40	27 13	5 5	fluffy
8	W	☉ sets 4h 45m	11 37	25 48	5 51	☉ ☉ ☉
9	Th		24 40	22 55	6 25	and more
10	F	☉ eclipsed, vis.	8 15	18 44	6 50	fair.
11	S		22 6	13 28	☉ sets	☉ ☉ ☉
12	A	Shrove Sunday	6 X 13	7 23	6 a 33	
13	M	Phil. T. c. [Pat.]	26 32	0 52	7 57	
14	Tu	Shrove Tuesd.	O. Can.	5 n 45	9 21	Wind and rain
15	W	Wednesd.	19 28	12 3	10 50	may
16	Th		3 8 53	17 42	morning	☉ ☉ ☉
17	F	Cam. Te. di. n	18 11	22 18	10 18	now be expected.
18	S	☉ rises 4h 56m	2 11 19	25 31	1 45	
19	A	1 Sun. in Lent	16 15	27 12	3 3	
20	M		29 50	27 8	4 3	
21	Tu	☉ sets 4h 9m	13 30	25 27	4 58	☉ ☉ ☉
22	W	Ember Week	26 48	22 21	5 31	Snow or cold
23	Th		19 53	18 10	5 5	rain about
24	F	St. Matthias: D.	22 45	13 12	6	
25	S	[of Camb. b.	5 m 26	7 45	☉ rises	☉ ☉ ☉
26	A	2 Sun. in Lent	17 55	2 5	6 a 40	this time
27	M	☉ rises 6h 39m	0 12	3 33	7 59	
28	Tu		12 20	8 58	9 10	
29	W	☉ sets 5h 25m	24 19	14 1	10 22	more fine.

Saturn		Jupiter		Mars		Venus	
Longit.	Declin.	Longit.	Declin.	Longit.	Declin.	Longit.	Declin.
1 3 16	on 58	5 11 16	12 5	4 27 15	11 21 41	7 X 49	0 5 0
7 3 2	1 5	5 30 12	9 11	5 10 20	45 15	14 7 2	2
3 2 45	1 13	5 40 24	11 6	3 19 40	22 38	9 11 58	58
9 2 25	1 22	5 52 12	11 11	12 18 27	0 7 0	9 11 51	51
15 2 2	1 32	5 50 12	12 15	53 12	8 7	20 2 12	12

D	On's	Declin.	Observations	V
M	Longit.	Declin.		
1	1 31	17 31		
2	12 32	17 4	D in apogee, farthest from the earth	
3	13 32	16 45		
4	14 33	15 29	Night 14 hours and 44 min. long	
A	15 34	15 11		
6	16 35	15 53		
7	17 36	14 35	Days have increased 1h. 45m.	
8	18 36	14 16	Saturn rises 39 min. past 8 at night	
9	19 37	14 57		
10	20 38	13 38		
11	21 38	13 18	Sun eclipsed, visible in this kingdom	
A	22 39	13 57	Great Dog Star 10h 56m. past 8 at night	
13	23 40	12 39		
14	24 40	12 19	D in perigee, nearest the earth	
15	25 41	12 58		
16	26 42	11 38	Venus begins to shine late at night	
17	27 42	11 17		
18	28 43	10 56	Mercury station. as seen from the earth	
A	29 43	10 35	Sun enters X 46m. past 6 afternoon	
20	0 44	10 14		
21	1 44	10 52	Jupiter stationary, as seen from the earth	
22	2 44	9 31	Day breaks at 56m. past 4 o'clock	
23	3 44	9 9	Twilight ends 7 min. past 7 o'clock	
24	4 45	9 47		
25	5 45	8 25		
A	6 45	8 3		
27	7 45	8 40	Day 10 hours 42 minutes long	
28	8 45	7 18		
29	9 46	7 55	Saturn rises 11m. past 7 at night	

MARCH XXXI Days

Lunations				M. Jupiter	Venus
				D. + sets	sets
1st Quarter	4th day, at 4 afternoon.			1 16 23	2 29
2nd Moon	11th day, at 11 night			7 9 59	8 49
3rd Quarter	18th day, at 8 afternoon			13 9 30	9 20
4th Moon	26th day, at 5 morning			19 9 11	9 30
				25 8 46	9 52
Holy Days,	D's	D's	D's	Aspects and	
Orises & sets	Longit.	Declin.	& sets	Weather	
<i>David</i>	6m 14	18 s 29	11 a 35	* ♀ ♂	
<i>Chad</i>	18 5	22 14	morning	Cold, windy, wet	
Sun. in Lent	29 59	25 4	0 47	weaker.	
Orises 6h 25m	11 2 59	26 48	1 55		
<i>Perpetua</i>	24 1	27 18	2 58		
Orises 5h 43m	6 36	26 27	3 45	Fair and more fine	
Midlent Sund.	19 22	24 12	4 24	for the season	
<i>Gregory</i>	2 32	29 36	4 54		
Orises 6h 7m	16 8	15 49	5 10	Now expect stormy	
<i>St. Patrick</i>	0 10	10 3	5 33	weather, hail,	
Sun. in Lent	14 35	3 137	D sets	* ♂ ♀ ♂ ♂	
[<i>Edw. K. W. S.</i>]	29 19	3 n 8	6 a 58	* ♀ ♂	
<i>Benedict</i>	14 13	9 4	8 30	8 11 ♀ Δ 11 ♂	
Orises 6h 10m	29 5	15 51	10 1	rain, or	
<i>Cam. Term e.</i>	13 8 59	20 58	11 32	Δ 11 h	
<i>Oxf. Term e.</i>	28 10 35	24 43	morning	8, ☉ ♂	
Palm Sunday	12 11 52	26 49	0 56	snow.	
[Lady day]	26 4	27 10	2 7	Frosts, but more	
Orises 6h 10m	10 25	25 51	3 4		
<i>Mary's Thursd.</i>	23 41	23 5	3 42		
Good Friday	6 41	19 11	4 7		
	19 26	14 28	4 28		
	1 59	9 14	4 45		
	14 22	3 42	4 58		
	26 36	1 52	5 11		
	8 43	7 20	D rises		
	20 44	12 28	8 a 16		
	2m 40	17 6	9 27		
	14 22	21 4	10 38	fine at the end.	
	26 24	24 9	11 49		

M	Saturn		Jupiter		Mars		Venus	
	Longit.	Declin.	Longit.	Declin.	Longit.	Declin.	Longit.	Declin.
1	17 41	1 41	5 17 43	12 8	6 19 48	15 8	13 47 20	8 10 5
7	1 55	1 53	5 29 18	0 24	30 14	26 20	48 7	5
13	0 48	2 4	5 8 11	52 29	12 12	50 27	55 10	5
19	0 20	2 15	4 41 11	43 3	55 11	9 5	5 13	4
25	29 51	2 27	4 8 11	31 8	30 9	26 12	12 16	2

M	☉'s	☉'s	Observations	
D	Longit.	Declin.		
1	10 46	7 32	☿ in apogeo, farthest from the earth	
2	11 46	7 9		
3	12 46	6 47	Mercury's greatest elong. from the Sun	
G 13	46	6 23		
5	14 46	6 6		
6	15 46	5 37	Great Dog Star, south about 8 at night	
7	16 46	5 14		
8	17 46	4 50	Mercury rises 39 min. past 5 morning	
9	18 46	4 27	Day breaks 28 min. past 4 o'clock	
10	19 46	4 4	Twilight ends 36 min. past 7 o'clock	
G 20	46	3 40		
12	21 45	3 16		
13	22 45	2 53	☿ in perigeo, nearest to the earth	
14	23 45	2 29		
15	24 45	2 5	Days have increased 4 h. 10 m. : ☿	
16	25 44	1 42	Saturn rises soon after 6 at night	
17	26 44	1 18		
G 27	43	0 54		
15	28 43	0 31		
2	29 43	0 7	Sun enters ♍ 3 m. past 7 at night	
21	0 42	0 17		
22	1 41	0 40	Mars rises soon after 5 in the morning	
23	2 41	1 4		
24	3 4	1 28	Saturn shines very bright all night.	
G 4	39	1 51		
26	5 39	2 15	Day break 48 min. past 3 o'clock	
27	6 38	2 38	Twilight ends 15 min. past 8 o'clock	
28	7 37	3 2		
29	8 36	3 25	☿ in apogeo, farthest from the earth	
30	9 36	3 48		
31	10 35	4 12		

Lunations.		M	Jupiter	Venus
		D	r les	lets
Last Quarter	3d day, at 9 morning	1	8 16	10 16
New Moon	10th day, at 8 morning	7	7 51	10 36
First Quarter	16th day, at 12 night	13	7 25	10 54
Full Moon	24th day, at 10 night	19	6 58	11 11
		25	6 31	11 21

W	Holy Days,	D's	D's	D rises	Aspects and
D	Orises & sets	Length.	Declin.	& sets	Weather
1	Easter Day	10 17	17 5	53	Rather cold,
2	Easter Monday	25 25	26 41	46	and windy,
3	Easter Tuesday	14 47	24 57	32	with some
4	<i>Ambr. [Richard]</i>	27 28	21 56	1	wet.
5	Th	10 32	17 44	25	
6	F	24 74	12 39	44	
7	S	8 5	6 28	1	
8	Low Sunday	22 34	0 5	17	Δ ♀ ♀
9	M	7 27	6 48	32	
10	Th	22 37	13 14	sets	Now more
11	W	7 8 53	18 54	8	fair and
12	Th	23 4	23 19	39	pleasant
13	F	58 59	26 14	59	weather.
14	S	22 32	27 2	morn	
15	2 S. aft. Easter	6 35	26 9	3	
16	M	29 18	23 41	48	6 ☉ ♀
17	Th	3 33	20 1	19	Stormy weather,
18	W	16 26	15 27	41	8 ♀ ♀
19	Th	29 1	10 21	56	8 ♀ ♀
20	F	14 33	4 56	32	8 ☉ ♀
21	S	23 33	0 35	25	and perhaps
22	3 S. aft. Easter	5 37	6 0	38	thunder.
23	M	17 35	11 10	51	
24	Th	20 30	15 54	rises	
25	W	11 24	20 0	35	
26	Th	6 23	18 9	44	More warm
27	F	3 9	25 37	50	and fine
28	S	17 6	26 47	46	towards the
29	4 S. aft. Easter	7 26	42	morn	
30	M	11 17	25 19	36	end.

M	Saturn		Jupiter		Mars		Venus	
	Longit.	Declin.	Longit.	Declin.	Longit.	Declin.	Longit.	Declin.
1	29 17	19 21	37 20	11 5 20	14 36	4 7 3 21	20 3 26	19 2 7
7	28 52	2 50	2 44	11 11	12 46	5 0 31	22 24	21 11
13	28 27	3 59	2 0 10	46 23	26 3 14	4 19	22 56	20
19	28 4	3 8	1 14	10 30	28 5 1	48 11	8 24	20
25	27 44	3 26	0 23	10 15	2 43	0 1 31	17 52	25 22

M	☉'s		☉'s		Observations
D	Longit.	Declin.	Longit.	Declin.	
G 1	11 34	4 35			The planet Venus begins to shine very late at night
2	12 33	4 58			
3	13 32	5 21			
4	14 31	5 44			
5	15 30	6 6			Days have increased 5 hours 31 min.
6	16 29	6 29			
7	17 28	6 52			Saturn sets soon after 5 in the morning
G 8	18 27	7 14			
9	19 25	7 37			
10	20 24	7 59			☿ in perigee, nearest the earth
11	21 23	8 21			
12	22 22	8 43			Moon among the 7 stars at 8 at night
13	23 21	9 5			
14	24 19	9 26			
G 25	18 9	48			The glorious planet Jupiter, now shines very fine all night
16	26 17	10 9			
17	27 15	10 30			
18	28 14	10 51			
19	29 12	11 12			
20	0 8 11	11 33			Sun enters 8 40m. past 7 morning
21	1 9	11 53			
22	2 7	12 13			Now is the time for viewing Jupiter and his satellites, he being in opposition of the Sun.
23	3 6	12 33			
24	4 4	12 53			☿ in apogee, furthest from the earth
25	5 2	13 13			
26	6 1	13 32			
27	6 59	13 52			
28	7 57	14 11			Mars rises 50min. past 3 morning
G 8	5 14	29			
30	9 53	14 48			

Lunations.					M	Jupiter	Venus
					D	sets	sets
Lat Quarter	2d day, at 11 night				1	4 m 33	11 a 3
New Moon	9th day, at 4 afternoon				7	4 9	11 46
First Quarter	16th day, at 11 morning				13	3 44	11 50
Full Moon	24th day, at 2 afternoon				19	3 19	11 50
					25	2 54	11 45

W	Holy Days,	D's	D's	D rises	Aspects and
D	☉ rises & sets	Longit	Declin.	& sets	Weather
Tu	St. Phil. & Jam.	23 39	23 s 43	1 m 7	Δ h ☿
W	☉ rises 4h 34m	6 m 18	18 57	1 33	Cold and rather
Th	Inven. of Crois	19 18	14 12	1 54	windy.
F		2 43	8 38	2 11	□ h ♀
S	☉ sets 7h 32m	16 36	2 28	2 26	Δ 4 ♀
G	Rogation Sun.	0 57	4 n 1	2 40	John Ev. a.P.L.
M	Ds. of York b.	15 45	10 28	2 56	Showers now
Tu		0 8 53	16 26	3 13	
W	☉ rises 4h 22m	16 11	21 27	D sets	about.
Th	Holy Thursday	1 11 29	25 0	9 a 35	
F		16 35	26 42	10 48	The weather is
S	☉ sets 7h 43m	1 25 19	26 28	11 43	dry for the most
G	Sun. aft. Ascen.	15 37	24 28	morn	part.
M	Ter. e. [O.M.d.	29 25	21 2	0 20	
Tu		12 Ω 46	16 35	0 45	
W	☉ rises 4h 21m	25 41	11 31	1 6	Cold and cloudy
Th	Prs. Wales b.	8 m 15	6 6	1 24	
F	[Oxf. Ter. e.	20 33	0 35	1 36	Δ ☉ h
S	Qu. Cha. born	2 40	4 s 51	1 49	Dunstan
G	Whit Sunday	14 38	10 3	2 1	a few days.
M	Whit Monday	26 32	14 51	2 14	
Tu	Whit. T. Prs. E.	8 m 24	19 5	2 30	
W	Ember We. [b.	20 17	22 33	2 48	The weather is
Th	Cam. T. div. n.	2 11	25 5	D rises	
F	☉ sets 8h 1m	14 10	26 31	9 a 35	now more warm,
S	Augustin	26 13	26 42	10 30	
G	Trin. Sunday	8 22	25 36	11 7	8 4 ♂
M	[Ven. Bede	20 41	23 14	11 35	and perhaps some
Tu	K. Ch. 2 restor.	3 10	19 45	11 58	
W	Oxf. T. begins	15 54	15 17	morn	thunder.
Th	Corpus Christi	28 56	10 1	0 16	

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WING. MAY. 1804. 17

Saturn		Jupiter		Mars		Venus	
Long.	Decl.	Long.	Decl.	Long.	Decl.	Long.	Decl.
1 27 25	3 22	20 43	19 59	17 19	18 54	24 11	27 26
7 27 11	3 27	28 59	9 45	11 56	18 44	0 55	26 17
13 26 11	3 30	28 19	9 31	16 31	5 32	7 15	26 10
19 26 11	3 32	27 42	9 19	21 31	7 19	13 23	25 41
25 26 11	3 33	27 10	9 9	25 34	9 04	19 28	24 52

Sun's		Sun's		Observations.
Longit.	Declin.	Longit.	Declin.	
1 10 8	52 15	n 6		The beautiful Planer VENUS will shine
2 11 1	50 15	24		very late of a night for the greatest
3 12 48	48 15	48		part of this month, and may be seen
4 13 46	46 15	59		in the day time.
5 14 44	44 16	16		Day now breaks about 2 o'clock.
G 15 42	42 16	33		Twilight ends at 2 m. past 10 o'clock.
7 16 40	40 16	50		
8 17 38	38 17	7		
9 18 36	36 17	23		
10 19 34	34 17	39		D in Perigeo, nearest the earth.
11 20 32	32 17	54		Days have increased 7 hours 59 min.
12 21 30	30 18	9		Saturn sets at 3 in the morning.
G 22 27	27 18	24		
14 23 25	25 18	39		
15 24 23	23 18	58		Mercury's greatest elong. from the Sun.
16 25 21	21 19	7		Mars rises at 3 in the morning.
17 26 19	19 19	21		
18 27 16	16 19	34		Mercury sets late at night.
19 28 14	14 19	49		Sun due east at 7 in the morning.
G 29 12	12 20	0		
21 0 11	9 20	12		Sun enters T 9 min. past 8 at night.
22 1 7	7 20	24		D in Apogeo, farthest from the earth.
23 2 4	2 20	36		
24 3 2	2 20	47		
25 4 0	0 20	58		
26 4 57	21 9			Venus's greatest elong. from the Sun.
G 5 55	21 19			Mercury stationary, as seen from the
28 6 52	21 29			earth.
29 7 50	21 38			Saturn stationary, as seen from the earth.
30 8 47	21 47			
31 9 45	21 56			

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JUNE 1777 Days.

Eclipsations										M	Jupiter	Venus
										D	sets	(sets)
Last Quarter 1st day, at 11 morning.										21	2 mac	11 2 35
New Moon 7th day, at 11 night.										27	1	59 11 23
First Quarter 15th day, at 1 noon.										13	1	54 11 9
Full Moon 23d day, at 6 morning.										19	1	9 10 43
Last Quarter 30th day, at 4 afternoon.										25	0	43 10 26
1 W	Holy-Days	Moon's	Moon's	1 rises	Aspects and							
2 D	6 rises & sets	Longit.	Decl.	3 sets	Weather							
1 F	Nicomede	15 19	4 10	om 39	June comes							
2 B	[Trin. E. b.	26	5 2	1 0	44 * b 8							
3 G	1 S. aft. Trin.	10 16	8 27	0	59 in very fine,							
4 M	X. Gbo. 3. b.	4 14	16 1	1	16 fair and hot.							
5 T	D. Cumb. b.	9 8 42	19 34	1	36							
6 W	[Boniface	24 47	23 41	2	4							
7 T		9 11 54	26 9	sets								
8 F	☉ rises 3 47	24 55	26 44	9 25	6 ☉							
9 S		9 11 38	25 22	10	12 New expect							
10 G	2 S. aft. Trin.	23 59	22 22	10	44 some showers							
11 M	St. Barnabas	7 11 52	18 8	11	7 of rain.							
12 T		21 18	13 6	11	24							
13 W	☉ sets 8 16	4 11 19	7 38	11	38							
14 T		16 57	2 11	11	50							
15 F	☉ rises 3 43	29 17	3 32	mbra								
16 S		11 24	8 51	0	2 Cooling gales							
17 G	3 S. af. Trin.	23 22	13 46	0	16 of wind,							
18 M	[St. Alban	5 11 15	18 9	0	31 ☐ ☉							
19 T	☉ sets 8 17	17 7	21 49	0	49 with refreshing							
20 W	Termt. a. Tr. Ed.	29 12	35 1	12	showers.							
21 T	Longest day is	11 4 0	26 17	1	43							
22 F	[16h. 34m. 23	6 26	46 2	25								
23 S		5 19	25 57	1 rises								
24 G	4 S. af. Tr. Nat. J.	17 42	23 50	9 25								
25 M	[Baptist	15 15	20 23	9	58 Fair and fine							
26 T		13 0	16 10	10	17 about this							
27 W	☉ rises 3 44	25 58	11 7	10	33 Δ ☉ 21 * 8 8							
28 T		9 12	5 24	10	46 time.							
29 F	St. Peter	22 41	0 39	11	9							
30 S	☉ sets 8 15	6 27	6 47	11	35 Showers.							

WING.

JUNE 1831

D		Saturn		Jupiter		Mars		Venus	
M	Long.	Decl.	Long.	Decl.	Long.	Decl.	Long.	Decl.	
1	26 46	3 32	26 48	8 50	0 48	10 35	23 52	23 11	
7	26 50	3 29	26 48	8 54	5 15	12 18	23 52	23 11	
13	26 57	3 25	26 46	8 50	9 39	13 57	23 52	23 11	
19	27 8	3 20	26 45	8 49	14 2	15 31	23 52	23 11	
25	27 22	3 13	26 45	8 52	18 22	16 39	23 52	23 11	

D		Sun's		Sun's		Observations.	
M	Longit.	Declin.	Longit.	Declin.	Longit.	Declin.	Observations.

1	10 42	22 11	4	Venus still shines very late at night.
2	11 39	22 12		
G 3	12 37	22 20		Sun due east 16 min. past 7 morning.
4	13 34	22 27		
5	14 32	22 34		
6	15 29	22 40		D in Perigee, nearest the earth.
7	16 26	22 46		
8	17 24	22 52		All day or twilight till the 23d of July.
9	18 21	22 57		
G 10	19 19	23 2		
11	20 16	23 6		Sun due east 19 min. past 7 o'clock.
12	21 13	23 10		
13	22 11	23 14		Saturn sets 15 min. past 1 in the morn.
14	23 8	23 17		Mars rises about 30 min. past 1 morning.
15	24 5	23 20		
16	25 2	23 22		Longest day at London, 16 h. 35 min.
G 17	26 0	23 24		
18	26 57	23 26		
19	27 54	23 27		D in Apogee, farthest from the earth.
20	28 51	23 28		Mercury stationary, as seen from the earth.
21	29 49	23 28		Sun enters 23 50 min. past 4 afternoon.
22	30 46	23 28		Jupiter stationary, as seen from the earth.
23	1 43	23 27		
G 24	2 40	23 26		Mercury rises soon after 3 in the morn.
25	3 37	23 25		
26	4 34	23 23		Days have decreased 4 minutes.
27	5 32	23 21		Saturn sets 47 min. past 11 at night.
28	6 29	23 18		
29	7 26	23 15		
30	8 23	23 12		Mars rises about 1 in the morning.

Lunations						M	Jupiter	Venus
						D	sets	sets.
New Moon 7th day, at 7 morning.						1	0m 19	10 a 12
First Quarter 14th day, at 4 afternoon.						7	11 a 51	9 34
Full Moon 22d day, at 5 afternoon.						13	11 26	9 3
Last Quarter 29th day, at 8 afternoon.						19	11 3	8 30
						25	10 40	7 58
M W	Holy-Days	Moon's	Moon's	Drises	Aspects and			
D D	risef & sets	Longit.	Declin.	& sets	Weather			
1	G 56. af. Trin.	20 9 31	12 14 43	11 a 34	Some showers.			
2	M Visitat. V. M.	4 8 51	18	4 11 58				
3	T Camb. Com.	D. days 22	28	morn				
4	W Tra. S. Mart.	4 11 7	25	29 0 28	More fair and			
5	T	18 52	26	46 1 14	hot.			
6	F Cam. T. ends	3 23 32	26	9 2 20				
7	S Tho. a Beck.	18 0 23	46	D sets				
8	G S. af. Trin.	2 2 11	19	56 9 a 4	Δ 21 8			
9	M Oxford A&T	16 0 15	5	9 22	Δ 1 8 □ 1 8			
10	T	29 26	9	38 9 36	Some rain may			
11	W ☉ rises 3 53	12 12 28	3	55 9 49	now be ex-			
12	T ☉ sets 8 6	25 9 1	48	19 3	pected.			
13	F	7 32	7	17 40 17				
14	S Oxf. T. ends	19 41	12	24 10 31				
15	G S. af. Trin.	1 m 40	17	0 10 48				
16	M [Swithin	13 34	20	53 11 9				
17	T ☉ rises 4 0	25 27	23	56 11 37	Fair and hot			
18	W ☉ sets 7 59	7 23	25	57 morn	for several			
19	T	19 27	26	48 9 14	□ ☉ 24			
20	F Margaret	1 0 26	21	1 6	days.			
21	S	14 4	24	35 1 59				
22	G S. after Trin.	26 42	21	34 D rises	* ☉ 1			
23	M [Mary Mag.	9 35	17	27 8 a 23	Showers if n			
24	T	22 41	12	26 8 36				
25	W St. James	6 2	6	46 8 51	* 1 8 □ 24			
26	T St. Anne	19 35	0	42 9 6	thunder.			
27	F	3 21	5 n	28 9 21				
28	S ☉ rises 4 14	17 18	11	27 9 38				
29	G S. after Tr.	1 8 24	16	55 10 0	Fine at the			
30	M	15 32	21	30 10 20	end.			
31	T ☉ sets 7 42	29 55	24	50 11 5	* 1 8			

WING.		JULY. 1864.										21
D	Saturn		Jupiter		Mars		Venus					
	Long.	Decl.	Long.	Decl.	Long.	Decl.	Long.	Decl.				
1	27	23	26	24	28	34	17	11	17	51	26	
7	28	20	27	16	26	35	18	10	19	0	48	
13	28	24	27	15	26	35	19	0	19	14	24	
19	28	25	27	15	26	35	19	0	19	14	17	
25	29	20	27	15	26	35	19	0	19	14	17	
D	Sun's		Sun's		Observations							
	Longit.	Decl.	Longit.	Decl.								
G	9	20	23	18								
2	10	18	23	4	Mercury's greatest elong. from the Sun.							
3	11	15	22	59								
4	12	12	22	54	J in Perigee, nearest the earth.							
5	13	9	22	49								
6	14	7	22	43	Sun due east 18 min. past 7 o'clock.							
7	15	4	22	37								
G	16	1	22	30	Shipping Harp fourth 20 min. past 11 night							
9	16	58	22	23								
10	17	55	22	16	Mercury rises 30 min. past 2 morning.							
11	18	53	22	8								
12	19	50	22	0								
13	20	47	21	51	Days have decreased 24 minutes.							
14	21	44	21	42	Venus stationary, as seen from the earth.							
G	22	42	21	33								
16	23	39	21	24	J in Apogee, furthest from the earth.							
17	24	36	21	14	Moon eclipses the Star Rigel in 1 min.							
18	25	33	21	3	23 min. past 9 at night; Em. 104. 4m							
19	26	31	20	52								
20	27	28	20	41	Saturn sets soon after 10 at night.							
21	28	25	20	30								
G	29	22	20	18	Moon eclipsed, invisible.							
23	29	20	20	6	Sun enters 44 min. past 3 morning.							
24	1	17	19	54								
25	2	14	19	41	Day breaks at 1 o'clock.							
26	3	12	19	28								
27	4	9	19	14								
28	5	6	19	1	Twilight ends 30 min. past 10 at night							
G	6	4	18	47								
30	7	1	18	32	Day 15 hours 26 minutes long.							
31	7	59	18	18								

SEPTEMBER XXX Days.

Lunations:					M D	Jupiter sets	Venus rises
New Moon	4th day, at 4 morning	1	8	26	1	8	26
1st Quarter	12th day, at 4 morning	7	8	15	7	8	15
Full Moon	19th day, at 4 afternoon	13	7	47	13	7	47
Last Quarter	26th day, at 7 morning	19	7	27	19	7	27
		25	7	8	25	7	8
W D	Holy-Days ☉ rises & sets	Moon's Longit.	Moon's Declin.	D rises & sets	aspects and Weather		
S	Giles	6 14	18 35	1 40	6 7 8		
J	14 S. at. Trin.	19 39	13 39	2 56	☐ ☉ ☽ * ☿ ☿		
M	Flap. 18 1666	27 52	8 10	4 24	Windy, and		
Γ		15 51	2 26	D sets	perhaps some		
W	☉ rises 5 23	28 37	3 18	6 38	showers of		
T		11 9	8 47	9 52	rain.		
F	Enurchus.	23 27	13 49	7 6			
S	Nativ. V. M.	5 34	18 14	7 2			
G	15 S. at. Trin.	17 31	21 58	7 49			
M		29 24	24 35	8 19			
T	☉ sets 6 25	11 15	26 13	8 58			
W		23 10	26 39	9 49	Fair and fine		
T		15 13	25 50	10 53	for the most.		
F	Holy Cross	17 30	23 46	morn	part.		
S	☉ rises 5 43	0 5	20 29	0 5			
G	16 S. at. Trin.	13 3	16 58	1 23			
M	Lambert	26 24	10 52	2 44			
T		10 10	4 57	4 16	Good weather		
W	Ember Week	24 20	1 22	D rises	for the latter		
T	☉ sets 5 7	18 48	7 45	1 2	harvest in the		
F	St. Matthew	23 28	13 46	6 24	North.		
G	K. G. 3. St.	8 8	11 19	2 46			
G	17 S. at. Trin.	22 51	23 8	7 22			
M	☉ rises 6 1	7 22	25 43	8 7			
I		21 38	26 34	9 7			
W	St. Cyprian	5 39	25 41	10 19	Now wind and		
T	[O. H. Ro.	19 24	23 15	11 37	Rain.		
S	☉ sets 5 52	20 53	19 33	morn			
G	St. Michael	D. W. 14	55	0 59	☉ ☉ ☽ * ☿ ☿		
G	18 S. at. Trin.	St. Jer.	9 40	2 18	☉ ☉ ☽		

SEPTEMBER, 1804. 23

Saturn		Jupiter		Mars		Venus	
Long.	Decl.	Long.	Decl.	Long.	Decl.	Long.	Decl.
1 32 14	0 44	2 30	18 24	4 51	23 39	4 12	13 4
7 3 56	0 27	3 32	17 46	5 1	23 55	6 12	13 29
13 4 31	0 9	4 38	17 19	5 11	24 13	8 12	13 34
19 5 23	0 6	5 45	12 32	5 23	24 13	10 13	22
25 6 17	0 20	6 55	12 36	5 32	24 13	12 12	52

D	Sun's	Sun's	Observations	
M	Long.	Decl.		

1	8 16	0 11	Sun sets 26 min. past 6 o'clock.	
G	9 45	7 55	Days decreased 3 hours 10 minutes.	
3	10 43	7 33		
4	11 41	7 14		
5	12 39	6 49	Mercury sets 1 min. past 7 o'clock.	
6	13 38	6 27	Day breaks 21 min. past 3 o'clock.	
7	14 36	6 4		
8	15 34	5 42		
G	16 33	5 19		
10	17 31	4 56	J in Apogee, farthest from the earth.	
11	18 29	4 33	Mercury's greatest elong. from the sun.	
12	19 28	4 10		
13	20 26	3 48	Days have decreased 3 h. 49 min.	
14	21 25	3 24		
15	22 23	3 1	Saturn sets near 7 o'clock at night.	
G	23 22	2 38		
17	24 21	2 15		
18	25 19	1 52	Jupiter sets 34 min. past 7 at night.	
19	26 18	1 28		
20	27 17	1 5	Mars rises about 11 o'clock at night.	
21	28 15	0 42		
22	29 14	0 18	J in Perigee, nearest the earth.	
G	0 13	0 5	Sun enters 24 47 min. past 6 morning.	
24	1 12	0 29	Mercury stationary as seen from the earth.	
25	2 10	0 52		
26	3 9	1 15		
27	4 8	1 39		
28	5 7	2 2	Day breaks 12 minutes past 4 o'clock.	
29	6 6	2 26		
G	7 5	2 49	Saturn now under the Sun beams.	

OCTOBER. XXX. DAYE.

Lunations				M. Jupiter	Venus
				D. sets.	rises
low Moon	3d day, at 6 afternoon.			11 6 48	2 m 7
1st Quarter	11th day, at 10 night.			7 6 29	2 9
full Moon	19th day, at morning.			13 6 10	2 15
last Quarter	27th day, at 11 afternoon.			19 5 51	2 24
				25 5 30	2 36
V. Holy-Days	Moon's Longit.	Moon's Declin.	Moon's rises	Aspects and Weather	
D. rises & sets					
Remigius	12 m 2	4 n 6	3 m 39		
	24 43	1 4 33	4 5	Some showers	
☉ rises 6 18	7 n 13	7 10 30	2 1	sets of rain now	
	19 33	12 11	5 a 21	about.	
	1 m 44	16 47	5 49		
S. Etheldreda	3 m 45	20 40	6 1		
G. 21 S. af. Trin.	45 40	23 40	6 29	☉ ☽	
M. ☉ sets 5 32	7 1 30	25 37	7 6	Dry weather	
St. Denys	19 18	26 25	7 53	now about.	
W. Ox. & Ca. T. b.	11 10	26 1	8 50		
F. Old Michael	13 10	24 24	9 57		
E. St. Michael	25 13	21 37	11 10		
S. Tran. K. Ed. C.	7 55	17 45	morn.	☉ ☽	
G. 20 S. af. Trin.	20 51	15 58	12 27	Cold winds	
M. ☉ rises 6 42	4 13	7 25	1 47	begin to blow	
	18 5	21 30	3 28		
W. Etheldreda	2 25	5 n 0	4 33		
St. Luke	17 10	1 14	5 59	The weather is	
	2 8	6 16	6 16	rises	
S. ☉ sets 5 9	17 19	21 37	5 a 28	☉ ☽	
G. 21 S. af. Trin.	22 23	24 50	6 9	now more	
	17 14	26 16	7 5	☉ ☽	
M. ☉ rises 6 57	12 46	25 51	8 18	pleasant.	
	15 56	23 45	9 35		
F. K. G. 3. proc.	29 42	17 19	10 50		
S. K. G. 3. proc.	13 6	15 40	morn.		
	26 11	10 43	0 15	Fine, even to	
G. 22 S. af. Trin.	9 0	5 16	1 32	☉ ☽	
M. [St. Sim. & Jude]	21 35	9 17	2 46	the end.	
T. 4 0	5 44	3 58			
W. ☉ sets 4 48	16 16	10 53	5 9		

	Saturn		Jupiter		Mars		Venus	
V	Long.	Decl.	Long.	Decl.	Long.	Decl.	Long.	Decl.
1	6 52	0 54	8 11	8 32	21 55	22 11	22 37	12 11
7	7 38	1 17	9 22	13 45	24 59	24 5	27 51	20 56
13	8 20	1 19	10 37	14 9	28 6	28 38	3 35	9 32
19	9 4	1 36	11 55	14 33	32 21	31 8	36 7	52
25	9 46	1 58	13 14	14 58	3 50	38 15	52 5	58

D		Sun's		Sun's		Observations	
M		Longit.		Declin.			
1	8	5	3	12			The refulgent planet VENUS will rise
2	9	4	3	36			very early in a morning (as she did
3	10	3	3	49			some part of last month) during this
4	11	2	4	22			month, and again may be seen in the
5	12	1	4	45			day-time,
6	13	1	5	9			
G	14	0	5	32			
8	14	59	5	55			D in Apogeo, farthest from the earth.
9	15	59	6	8			
10	16	58	6	40			
11	17	57	7	3			Days have decreased 5 hours 40 min.
12	18	57	7	26			
13	19	56	7	48			
G	20	56	8	1			Venus's greatest elong. from the Sun.
15	21	55	8	33			Mercury stationary, as seen from the earth.
16	22	55	8	55			
17	23	55	9	17			
18	24	54	9	39			
19	25	54	10	1			Mercury rises soon after 5 in the morn.
20	26	54	10	23			D in Perigeo, nearest the earth.
G	27	53	10	44			Moon eclipses some of the 7 Stars, soon
22	28	53	11	5			after 4 in the morning.
23	29	53	11	27			Sun enters in 48 min. past 2 afternoon.
24	om	53	11	48			Mercury is near his greatest elong. from
25	1	53	12	8			the Sun.
26	2	53	12	29			
27	3	53	12	49			Days have decreased 6 h. 38 min.
G	4	53	13	10			
29	5	53	13	30			Saturn rises 30 min. past 4 in the morn.
30	6	53	13	50			
31	7	53	14	9			

8 NOVEMBER XXI Days									
Lunations						M	Jupiter	Venus	
						D	sets	rises	
New Moon	2d day, at 11 morning.	1	5	7	2 m 50				
First Quarter	10th day, at 5 afternoon.	7	4	46	3 3				
Full Moon	17th day, at 11 morning.	13		rises	3 16				
Last Quarter	24th day, at 4 morning.	19	6m	52	3 30				
		25	6	33	2 44				
V	Holy Days	Moon's	Moon's	Drifts	Aspects and				
D	☉ rises & sets	L. wigt.	Declin.	& sets	Weather.				
1 T	All Saints	29 24	5 35	6m 19	Sheet or snow-				
2 F	D. Kent b. Allg.	10m 25	19 37	☉ sets	ers.				
3 S	Prs. Soph. b.	22 21	22 49	☉ a 33					
4 C	21 S. af. Trin.	25 1	5 9						
5 M	Powder Plot	16 2	26 7	5 9					
6 T	Leonard Mic.	27 50	26 1	6 45	Rather frosty				
7 W	[T. beg.	9 42	24 44	7 49	but not bad				
8 T	Prs. Au. So. b.	21 1	22 18	9 8	☉ ☉				
9 F	Lord Mayor's d.	3 52	18 50	10 13	weather.				
10 S	☉ rises 7 29	16 19	14 28	11 28					
11 G	24 S. af. Trin.	St. Mart.	9 21	morn					
12 M	Cam. T. d.m.	12 25	3 39	0 45	☉ ☉ ☉				
13 T	Britius	26 10	2 25	2 14	Cold winds,				
14 W	☉ sets 4 24	10 26	8 34	3 26	which continue				
15 T	M. chutus	25 19	14 27	4 52					
16 F		10 8	19 36	6 11	☉ ☉ ☉				
17 S	Hugh Bp.	25 34	23 31	☉ rises	some days.				
18 G	25 S. af. Trin.	10 54	25 45	4 40	* ☉ ☉ ☉ ☉				
19 M	☉ rises 7 43	26 3	26 3	5 55	* ☉ ☉				
20 F	Edmund	10 53	24 28	7 12					
21 W	☉ sets 4 14	25 18	21 17	8 34	Rain or Snow				
22 T	Cecilia	25 15	16 56	9 57	near this				
23 F	Clement. Old	22 46	11 51	11 16	time.				
24 S	[Mart. d.	5m 53	6 24	morn					
25 G	26 S. af. Trin.	Each r.	0 49	0 32					
26 M	[D. Gl. b.	1 7	4 39	1 45	Wet and				
27 T	☉ rises 7 53	13 23	9 51	2 56	☉ ☉ ☉				
28 W	Mic. Term e.	25 29	14 36	4 7	windy near				
29 T	☉ sets 4 4	7m 28	18 45	5 17	the end.				
30 F	St. Andrew.	19 22	22 7	6 27					

WING. NOVEMBER, 1894.

D	Saturn.		Jupiter		Mars		Venus	
V.	Long.	Decl.	Long.	Decl.	Long.	Decl.	Long.	Decl.
1	10 35	28 9	14 45	15 25	7 3	20 3	23 25	3 2
7	11 15	2 24	16 4	15 49	9 31	19 34	0 5	1 1
13	11 54	2 38	17 23	16 12	11 47	19 7	6 52	1 8
19	12 31	2 51	18 43	16 34	13 48	18 43	13 46	3 4
25	13 5	3 4	20 2	16 55	15 33	18 24	20 46	6 1

D	Sun's		Sun's		Observations
M	Longit.	Declin.	Longit.	Declin.	
1	8 53	14 29			Day breaks 17 min. past 5 o'clock.
2	9 53	14 48			Days have decreased about 7 hours.
3	10 53	15 7			
G 1	11 54	15 25			☽ in Apogeo, farthest from the earth.
5	12 54	15 44			
6	13 54	16 2			
7	14 55	16 20			Jupiter is now under the Sun beams.
8	15 55	16 37			
9	16 55	16 55			
10	17 56	17 12			Mars rises about 10 at night.
G 18	56 17	28			
12	19 57	17 45			Pole-Star south 33 min. past 9 at night.
13	20 57	18 1			
14	21 58	18 17			
15	22 58	18 32			
16	23 59	18 47			Mercury rises about 7 in the morning.
17	24 59	19 2			Saturn and Venus in conjunction.
G 26	0 19	16			☽ in Perigeo, nearest the earth.
19	27 0	19 31			Day breaks 51 min. past 5 o'clock.
20	28 1	19 44			
21	29 2	19 58			Twilight ends 17 min. past 6 o'clock.
22	0 1	20 11			Sun enters ♄ 5 min. past 11 morning.
23	1 3	20 24			
24	2 4	20 36			
G 3	5 20	48			
26	4 5	20 59			Day breaks 49 min. past 5 o'clock.
27	5 6	21 10			Day 8 hours and 12 minutes long.
28	6 7	21 21			
29	7 8	21 31			Bright Star of Aries south 35 min. p
30	8 9	21 41			9 at night.

Lunations

M Jupiter Venus
D rises rises

New Moon 2d day, at 6 morning.

First Quarter 10th day, at 6 morning.

Full Moon 16th day, at 9 night.

Last Quarter 23d day, at 8 night.

M	W	Holy-Days,	Moon's	Moon's	D rises	Aspects and
D	D	2 rises & sets	Longit.	Declin.	& sets	Weather
1	S	☉ rises 7 58	1 14	24 33	7 m 35	
2	G	Advent Sun.	13 4	25 53	D sets	* ☿ ☿
3	M		24 55	26 3	4 a 34	Brisk winds,
4	T	☉ sets 4 0	6 48	25 0	5 36	with sleet
5	W		18 45	22 49	6 42	Δ ☿ ☿
6	T	St. Nicholas	0 50	19 35	7 53	* ☉ ☿
7	F		13 5	15 28	9 6	or cold rain.
8	S	Concep. V.M.	25 34	10 37	10 21	
9	G	2 S. in Adv.	8 21	5 13	11 37	
10	M		21 31	0 n 34	morn	Δ ☉ ☿
11	T	☉ rises 8 6	5 7	6 29	0 54	Weather more
12	W		19 9	12 16	2 14	open now
13	T	Lucy	3 8 39	17 35	3 38	about.
14	F		18 31	21 58	5 7	
15	S	☉ sets 3 53	3 11 40	24 57	6 32	
16	G	3 S. in Adv.	Cam. T. 26	8	D rises	☐ ☉ ☿
17	M	Oxf. T. ends	4 50	25 20	4 a 29	Frosty weather
18	T	☉ Sapi.	19 4	22 43	5 55	☐ ☿ ☿ now
19	W	Ember Week	3 41	18 39	7 19	takes place, if
20	T		17 51	13 37	8 42	not a fall of
21	F	St. Thomas	1 34	8 4	10 2	snow.
22	S	4 S. in Adv.	14 50	2 20	11 19	☐ ☿ ☿
23	G		27 41	3 19	morn	
24	M	☉ rises 8 8	10 11	8 41	0 32	☐ ☿ ☿
25	T	Christmas d.	22 26	13 36	1 44	
26	W	St. Stephen.	4 29	17 54	2 55	Cold winds
27	T	St. John Ev.	16 23	21 27	4 5	even to the
28	F	Innocents	28 13	24 6	5 13	end.
29	S	☉ sets 3 54	10 1	25 42	6 17	
30	G	2 S. aft. Chr.	21 55	26 8	7 11	* ☿ ☿
31	M	Silvester	3 50	25 22	7 52	

WING. DECEMBER, 1804. 3

Saturn			Jupiter			Mars			Venus				
M.	Long.	Decl.	M.	Long.	Decl.	M.	Long.	Decl.	M.	Long.	Decl.		
1	13	38	3	15	21	19	16	18	10	27	51	8	4
7	14	8	3	26	22	37	17	18	7	18	3	11	4
13	14	35	3	35	23	51	17	18	40	18	3	12	13
19	14	59	3	43	25	7	18	19	6	18	1	19	28
25	15	20	3	49	26	19	18	30	18	26	47	17	3

Sun's		Sun's		Observations	
M.	Long.	Decl.			
1	9	10	21	51	D in Apogeo, farthest from the earth.
G	10	11	22	0	
3	11	12	22	9	Saturn rises 30 min. past 2 morning.
4	12	13	22	17	
5	13	14	22	25	Mars rises about 9 at night.
6	14	15	22	32	
7	15	16	22	39	
8	16	17	22	45	Pole-star south 41 min past 7 at night.
G	17	18	22	51	
10	18	19	22	57	Mercury sets 11 min. past 4 evening.
11	19	20	23	2	Day breaks about 6 o'clock.
12	20	21	23	7	Twilight ends bout 6 o'clock.
13	21	22	23	11	Day 7 hours 46 minutes long.
14	22	23	23	15	
15	23	24	23	18	Moon amongst the 7 stars at 39 m. past 2 in the morning.
G	24	25	23	21	
17	25	26	23	23	D in Perigeo, nearest the earth.
18	26	27	23	25	Days have decreased 8 hours 50 min.
19	27	29	23	26	
20	28	30	23	27	Mars stationary, as seen from the earth
1	29	31	23	28	Sun enters 27 min. past 11 at night.
12	0	32	23	28	
G	1	33	23	27	
24	2	34	23	26	Jupiter and Venus in conjunction, the rise about 5 in the morning.
25	3	35	23	25	
26	4	37	23	23	
27	5	38	23	21	Days have increased 2 minutes.
28	6	39	23	18	D in Apogeo, farthest from the earth.
29	7	40	23	15	Mars rises soon after 7 at night.
G	8	42	23	11	
31	9	43	23	7	Sun eclipsed, invisible.

The Eclipses of Jupiter's

January				February				March				April			
Immersion.				Immersion.				Immersion.				Immersion.			
d.	h.	m.	s.	d.	h.	m.	s.	d.	h.	m.	s.	d.	h.	m.	s.
1	17	50	30	2	14	10	43	1	21	46	37	2	18	27	
3	12	18	1	4	8	38	55	3	16	15	25	4	12	16	
5	6	45	34	6	3	7	9	5	10	44	15	6	7	25	
7	1	13	8	7	21	35	24	7	3	13	5	8	1	34	
8	19	40	44	9	16	3	43	8	23	41	57	9	20	23	
10	14	8	23	11	10	32	3	10	18	10	49	11	14	52	
12	8	35	57	13	5	0	28	12	12	39	42	13	9	21	
14	3	3	42	14	23	28	54	14	7	8	38	15	3	50	
15	21	31	21	16	17	57	23	16	1	37	35	16	22	19	
17	15	59	7	18	12	25	52	17	20	6	36	18	16	48	
19	10	26	53	20	6	54	29	19	14	35	32	20	11	17	
21	4	54	44	22	1	23	2	21	9	4	35	Emergence.			
22	23	22	35	23	19	51	42	23	3	33	34	22	7	54	
24	17	50	29	25	14	20	20	24	22	2	37	24	2	23	
26	12	18	16	27	8	49	6	26	16	31	36	25	20	52	
28	6	46	27	29	3	17	49	28	11	0	40	27	15	21	
30	1	14	29					30	5	29	40	29	9	50	
31	19	42	35					31	23	58	44				
May				June				July				August			
Emergence.				Emergence.				Emergence.				Emergence.			
d.	h.	m.	s.	d.	h.	m.	s.	d.	h.	m.	s.	d.	h.	m.	s.
1	4	19	8	2	0	53	55	2	2	55	42	1	5	0	
2	22	47	52	3	19	23	20	3	21	24	2	2	23	29	
4	17	16	42	5	13	50	48	5	15	52	26	4	17	58	
6	11	45	25	7	8	19	6	7	10	20	52	6	12	27	
8	16	14	19	9	7	43	30	9	4	49	12	8	6	56	
10	0	42	55	10	21	15	47	10	23	17	38	10	1	25	
11	19	11	34	12	15	44	10	12	17	46	19	11	19	54	
13	13	40	15	14	10	12	26	14	12	14	35	13	14	22	
15	8	8	52	16	14	40	45	16	6	43	6	15	8	52	
17	2	37	30	17	23	9	5	18	1	11	39	17	3	21	
18	21	6	3	19	17	37	24	19	19	40	13	18	21	50	
20	15	34	39	21	12	5	40	21	14	8	46	20	16	19	
22	10	3	9	23	6	34	3	23	8	37	28	22	10	38	
24	4	31	42	25	1	2	23	25	3	6	3	24	6	17	
25	23	0	10	26	19	30	40	26	21	34	44	25	23	16	
27	17	28	40	28	13	58	58	28	16	3	23	27	18	15	
29	11	57	5	30	8	27	21	30	10	32	11	29	12	44	
31	6	25	33									31	7	13	

First Satellite for 1804.

September.				October				November				December			
Emerfions.				Emerfions.								Immersionf.			
d.	h.	m.	s.	d.	h.	m.	s.	d.	h.	m.	s.	d.	h.	m.	s.
2	1	48	56	2	3	58	54	The Eclipses of Jupiter's Satellites are not visible this month, Jupiter being too near the Sun.				8	7	49	38
3	20	12	8	3	22	28	9					10	2	17	45
5	14	41	18	5	16	57	2					12	20	44	45
7	9	10	31	7	11	26	5					13	15	12	20
9	3	39	40	9	8	55	4					15	9	39	48
10	22	8	55									17	4	7	29
12	16	38	5									18	22	34	47
14	11	7	21									20	17	2	16
16	5	36	30									22	11	39	44
18	0	5	42									24	5	57	12
19	18	34	53									26	0	24	41
21	13	4	6									27	18	52	9
23	7	33	16									29	13	19	38
25	2	2	27									31	7	47	7
26	20	31	35												
28	15	0	43												
30	9	29	51												

N. B. Those marked with an asterisk are visible at *Greenwich*; and the times are *mean or clock time*.

To illustrate the Use of the preceding Table by an Example :—Suppose on the 5th Day of September this Year, the Time of the Immersion of Jupiter's first Satellite be observed by a Telescope, in an unknown Meridian, to happen at 16 h. 29 min. 38 seconds; I find by the Table, that the Time of his Immersion will happen at the British Observatory at 14 h. 41 min. 18 sec. the same Day: The Difference of the Time is 1 h. 48 min. 20 sec. which being converted into Degrees and Minutes of the Equator, at the Rate of 15 Degrees per Hour, will make 27 deg. 5 min. the Longitude of the Place of Observation to the East; because the Time is more than that at the British Observatory.

Operation.	{	Immersion observed	16	29	38	
		Immersion at <i>Greenwich</i>	14	41	18	
		The Difference of Time	1	48	20	
		Answering to	27	5	0	
		Mer				

Marsden's Longitude and Declination for 1804.											
Long.	Declin.	Long.	Declin.	Long.	Declin.	Long.	Declin.	Long.	Declin.	Long.	Declin.
11 37 24	23 22	59 1 8	26 13 7	39 15 8	44 24 24	21 19 12	19 10 15	43 15 3	4 4 53	30 31 30	56 10 14
16 19 25	38 20	February 34 11 12	33 16 39	39 16 49	3 4 4	25 44 24	27 13 43	February 24 7 11	30 31 30	56 10 14	4 4 53
21 1 22	39 17	12 12	19 10	43 15	3 4 4	25 44 24	27 13 43	February 24 7 11	30 31 30	56 10 14	4 4 53
25 44 24	27 13	43 15	3 4 4	25 44 24	27 13 43	February 24 7 11	30 31 30	56 10 14	4 4 53	30 31 30	56 10 14
0 1 18	26 9	5 5 5	24 7 11	30 31 30	56 10 14	4 4 53	30 31 30	56 10 14	4 4 53	30 31 30	56 10 14
9 55 18	43 8	26 26	10 5	48 14	46 8	10 5	48 14	46 8	10 5	48 14	46 8
14 56 15	1 18	49 46	31 10	48 14	46 8	10 5	48 14	46 8	10 5	48 14	46 8
19 55 15	27 10	4 16	48 14	46 8	10 5	48 14	46 8	10 5	48 14	46 8	10 5
23 44 12	24 12	2 16	50 19	43 6	14 14	43 6	14 14	43 6	14 14	43 6	14 14
26 59 3	23 20	43 21	16 21	23 22	5 8 12	23 22	5 8 12	23 22	5 8 12	23 22	5 8 12
3 3 4	4 7	56 22	43 20	10 21	36 20	10 21	36 20	10 21	36 20	10 21	36 20
7 43 4	24 6	38 23	48 18	36 20	10 21	36 20	10 21	36 20	10 21	36 20	10 21
23 43 4	1 10	46 24	32 16	56 15	24 18	56 15	24 18	56 15	24 18	56 15	24 18
23 April 40 4	42 14	18 24	56 15	24 18	56 15	24 18	56 15	24 18	56 15	24 18	56 15
25 55 6	26 17	13 25	3 14	15 18	43 6	14 14	43 6	14 14	43 6	14 14	43 6
2 17 12	10 19	30 24	54 13	38 18	2 2	38 18	2 2	38 18	2 2	38 18	2 2
8 40 14	49 21	5 24	32 13	49 18	26 26	49 18	26 26	49 18	26 26	49 18	26 26
14 58 17	16 21	58 23	58 14	27 18	59 18	27 18	59 18	27 18	59 18	27 18	59 18
21 1 19	25 22	9 23	15 15	56 18	59 18	56 18	59 18	56 18	59 18	56 18	59 18
18 8 19	41 12	12 12	19 10	43 15	3 4 4	25 44 24	27 13 43	February 24 7 11	30 31 30	56 10 14	4 4 53
21 10 20	28 17	24 17	39 16	49 16	3 4 4	25 44 24	27 13 43	February 24 7 11	30 31 30	56 10 14	4 4 53
24 31 21	17 23	14 15	22 10	52 43	17 14	52 43	17 14	52 43	17 14	52 43	17 14
28 39 22	3 28	52 43	17 14	52 43	17 14	52 43	17 14	52 43	17 14	52 43	17 14
3 24 22	40 4	16 11	8 16	59 19	25 19	59 19	25 19	59 19	25 19	59 19	25 19
8 40 23	4 9	28 8	56 10	25 19	18 11	25 19	18 11	25 19	18 11	25 19	18 11
14 24 23	8 14	25 6	44 21	18 11	25 19	18 11	25 19	18 11	25 19	18 11	25 19
20 24 22	59 19	10 4	32 22	29 12	48 12	29 12	48 12	29 12	48 12	29 12	48 12
26 44 22	2 21	43 2	22 22	48 12	21 21	48 12	21 21	48 12	21 21	48 12	21 21
3 3 21	2 21	2 21	16 22	54 12	21 21	54 12	21 21	54 12	21 21	54 12	21 21
20 14 11	10 28	5 51	7 2	37 25	21 11	37 25	21 11	37 25	21 11	37 25	21 11
17 42 9	21 28	36 9	23 16	19 24	49 16	19 24	49 16	19 24	49 16	19 24	49 16
13 51 7	12 3	22 11	19 21	1 24	49 16	1 24	49 16	1 24	49 16	1 24	49 16
10 32 4	59 8	15 13	13 25	44 25	30 30	44 25	30 30	44 25	30 30	44 25	30 30
8 14 3	9 13	5 15	2 0	28 25	30 30	28 25	30 30	28 25	30 30	28 25	30 30
7 27 1	4 17	54 18	45 5	11 25	18 18	11 25	18 18	11 25	18 18	11 25	18 18
2 55 2	24 27	27 19	50 14	36 24	51 10	36 24	51 10	36 24	51 10	36 24	51 10
13 53 3	32 2	11 21	10 19	15 24	10 19	15 24	10 19	15 24	10 19	15 24	10 19
17 54 5	5 6	22 22	22 22	54 12	21 21	54 12	21 21	54 12	21 21	54 12	21 21

*A compendious CHRONOLOGY of MEMORABLE THINGS,
since the Creation to this present Year.*

A.P.J.	before Christ.		Years since.
710	4004	The Creation of the World	5898
1766	2948	Noah born	4752
2366	2348	Noah's Flood began	4152
2481	2233	The Babylonian Monarchy established	4037
2718	1996	Abraham born	3800
2986	1728	Joseph sold into Egypt	3532
3143	1571	Moses born	3375
3223	1491	The Israelites Departure out of Egypt	3295
3530	1184	Troy taken and destroyed by the Greeks	2988
3710	1004	Solomon's Temple built and dedicated	2807
4126	588	Jerusalem and the Temple destroyed	2392
4176	538	Daniel delivered from the Den of Lions	2342
4198	516	The Temple of Jerusalem rebuilt	2320
4391	323	The Death of Alexander the Great	2127
4710	4	The true Year of Christ's Birth	1808
1714	0	The vulgar Year of Christ's Birth.	1804

A.D.		
33	The Passion and Resurrection of Jesus Christ	1771
70	Jerusalem and the Temple destroyed by Titus	1734
100	St. John, the last of the Apostles, died Dec. 20.	1704
313	Christianity triumphed under Constantine	1491
476	Augustulus, the last Roman Emperor, deposed	1328
606	The wicked Phocas made Pope Boniface Head of the Church	1198
668	Mahomet preached his Imposture at Mecca	1196
872	Italy and Rome plundered by the Saracens	932
1012	Swain King of Denmark conquered England	792
1066	William Duke of Normandy conquered England	738
1110	Arts and Sciences taught in Cambridge	694
1119	The first War between the French and English	685
1300	The Mariners Compass invented	504
1330	The Canaries discovered by an English Ship	474
1380	Gunpowder and the Use of Guns first found out	424
1453	Constantinople taken from the Christians	351

A.D.

A.D.

Years
since.

1463	The <i>Perfians</i> conquered by <i>Tamerlane</i>	341
1500	<i>Rome</i> plundered by the Duke of <i>Bourbon</i>	304
1517	<i>Martin Luther</i> first disputed against Popery	287
1536	<i>England</i> separated from the Church of <i>Rome</i>	268
1588	The <i>Spanish Armada</i> defeated by the <i>English</i>	216
1603	<i>Q. Eliz.</i> died <i>March 24</i> , and <i>K. James I.</i> began	201
1604	Died of the <i>Plague</i> in <i>London</i> , in 2 Years, 68,596.	200
1605	<i>Gunpowder Treason</i> , <i>Nov. 5</i> .	199
1613	The <i>New-River Water</i> brought to <i>London</i>	191
1618	The excellent <i>Sir Walter Raleigh</i> beheaded	186
1625	<i>K. James I.</i> died, <i>K. Charles I.</i> began <i>Mar. 27</i> .	179
1625	35,417 Persons died of the <i>Plague</i> in <i>London</i>	179
1641	The cruel <i>Irish</i> Massacre began, <i>October 23</i> .	163
1643	<i>Burleigh-House</i> stormed by <i>Cromwell</i> , <i>July 24</i> .	161
1649	<i>K. Charles I.</i> beheaded, <i>January 30</i> .	155
1658	<i>Oliver Cromwell</i> died, <i>September 3</i> .	146
1660	<i>K. Charles II.</i> restored, <i>May 29</i> .	144
1665	68,586 Persons died of the <i>Plague</i> in <i>London</i>	139
1666	<i>London</i> burnt, and a great Sea-fight with the <i>Dutch</i>	138
1672	War declared against the <i>Dutch</i> , <i>March 17</i> .	132
1674	A great Snow for 11 Days together	131
1675	The Town of <i>Northampton</i> burnt, <i>Sept. 3</i> .	129
1680	A great and splendid Comet appeared	124
1684	The great Frost that held 13 Weeks	120
1685	<i>K. Charles II.</i> died, <i>Feb. 6</i> , and <i>K. James II.</i> began	119
1685	The Duke of <i>Monmouth</i> beheaded, <i>July 15</i> .	119
1688	Seven Bishops sent to the <i>Tower</i> , <i>June 8</i> .	116
1688	<i>K. James II.</i> abdicated, <i>December 12</i> .	116
1689	<i>K. William</i> and <i>Q. Mary</i> crowned, <i>April 11</i> .	115
1692	The <i>French Fleet</i> entirely defeated by the <i>English</i>	112
1698	<i>Whitehall Palace</i> destroyed by Fire	106
1702	<i>K. William</i> died, <i>March 8</i> , and <i>Q. Anne</i> began	102
1702	<i>Q. Anne</i> proclaimed War against <i>France</i> , <i>May 4</i> .	102
1703	A great and terrible Wind, <i>Nov. 26</i> and <i>27</i> .	101
1704	<i>Gibraltar</i> taken by the <i>English</i>	100
1707	<i>England</i> and <i>Scotland</i> united, <i>May 1</i> .	97
1710	Riots and great Disturbances in <i>England</i>	94
1714	<i>Q. Anne</i> died, <i>August 1</i> , and <i>K. George I.</i> began	90

A.D.

Years

since

1713	A Rebellion in Scotland and Lonsghire suppressed;	89
1716	A great Frost in the Beginning of this Year	88
1718	The Spanish Fleet destroyed by Admiral Byng	86
1719	A surprising Meteor seen, March 19, at 8 in Night	85
1719	Mr. Flamsteed, a celebrated Astronomer, died Decr 31	85
1727	The incomparable Sir Isaac Newton died Mar. 30	77
1727	K. George I. died June 11, and K. George II. began	77
1736	The Prince and Princess of Wales married, Apr. 27	68
1729	Letters of Ma. que. published in London against the Spaniards, July 16.	65
1739	War declared by Great Britain against Spain	65
1739	Porto-Bello taken and destroyed by Adm. Vernon	55
1740	A very severe Frost from Decr. 25, to Feb. 27.	64
1742	A Comet appeared from Feb. 18, to March 14	62
1743	A splendid Comet appeared from Decr. 22, to Feb. 18, in v	61
1744	Mar. 4, France declar. War against England; and Mar. 31, England declared War against France	60
1745	Cape Breton taken from the French, June 16	59
1746	The Scotch Rebels defeated by the Duke of Cumberland, at Culloden, near Inverness, April 15	58
1748	A general Peace signed October 7	56
1749	Cape Breton restored to the French	55
1750	The British Fishery established	54
1751	The Prince of Wales died March 30	53
1752	The Day and Calendar altered	52
1755	Lisbon destroyed by an Earthquake, Nov. 1	49
1756	England declared War against France, May 18	48
1756	Minorca taken by the French, June 27	48
1757	Count Brown defeated by the King of Prussia, near Prague, May 6.	47
1757	The King of Prussia defeated by Count Daun, at Collin, June 18	47
1758	French defeat. at Cressly, by Pr. Ferdinand, June 23	46
1768	Lord Howe slain, July 6, and Gen. Abercrombie repulsed at Ticonderoga, July 8	46
1758	Cape Breton taken by the English, July 26	46

A. D.

A.D.		Years since 1700
1758	The <i>Russians</i> defeated at <i>Zorndorf</i> by the King of <i>Prussia</i> , <i>Sept. 25</i> .	40
1759	The Island of <i>Gundaloupe</i> taken by Gen. <i>Barrington</i> and Commodore <i>Moort</i> , <i>May 1</i> .	45
1759	<i>French</i> defeated at <i>Minden</i> , by <i>Pr. Ferdinand</i> , <i>Aug. 1</i> .	45
1759	The King of <i>Prussia</i> defeated at <i>Cunnersdorf</i> by the Count <i>de Soltikoff</i> , <i>August 12</i> .	45
1759	Gen. <i>Wolfe</i> slain, though victorious, <i>Sept. 13</i> , and <i>Quebec</i> taken, <i>Sept. 18</i> , by Gen. <i>Fownshend</i> .	45
1760	<i>Montreal</i> taken by Gen. <i>Amherst</i> , <i>Sept. 8</i> .	44
1760	<i>K. Geo. II.</i> died <i>Oct. 25</i> , and <i>Geo. III.</i> succeeded.	44
1761	<i>Pondicherry</i> taken by Col. <i>Coote</i> , <i>Jan. 15</i> .	43
1761	<i>K. Geo. III.</i> married <i>Q. Charlotte</i> , <i>Sept. 8</i> .	43
1761	<i>K. Geo. III.</i> crowned, <i>Sept. 24</i> .	43
1762	The Island of <i>Martinica</i> taken by Gen. <i>Mouchon</i> , and Adm. <i>Rodary</i> , <i>Feb. 14</i> .	42
1762	<i>George Prince of Wales</i> born, <i>August 12</i> .	42
1762	The <i>Havannah</i> taken, by Lord <i>Albemarle</i> and Sir <i>George Pocock</i> , <i>August 12</i> .	42
1763	A general Peace in all Europe.	41
1763	Duke of <i>York</i> born, <i>Aug. 16</i> .	41
1765	Duke of <i>Clarence</i> born, <i>August 21</i> .	39
1766	Duchess of <i>Wurtemberg</i> born, <i>Sept. 29</i> .	38
1767	Duke of <i>Kent</i> born, <i>Nov. 2</i> .	37
1768	Princess <i>Augusta Sophia</i> born, <i>Nov. 8</i> .	36
1770	Princess <i>Elizabeth</i> born, <i>May 22</i> .	34
1771	Duke of <i>Cumberland</i> born, <i>June 5</i> .	33
1772	<i>Swedes</i> resign their Liberties to the King.	32
1773	Duke of <i>Cambridge</i> born, <i>Jan. 27</i> .	31
1773	The <i>Light Gold</i> recoined.	31
1774	Duke of <i>Sessen</i> born, <i>Feb. 24</i> .	30
1775	War commenced against the <i>North-Americans</i> .	29
1776	Princess <i>Mary</i> born, <i>April 25</i> .	28
1776	The <i>Americans</i> declare themselves independent.	28
1777	Princess <i>Sophia</i> born, <i>Nov. 3</i> .	27
1778	The <i>French</i> sign a Treaty with the <i>Americans</i> .	26
1778	War begun against the <i>French</i> .	26
1779	War commenced against the <i>Spaniards</i> .	25
1780	War against the <i>Dutch</i> begun.	24
1781	The Planet <i>Herschel</i> discovered.	23
1783	A general Peace.	21

A.D.	Years since.
1783 Princess <i>Amelia</i> born Aug. 7.	21
1783 New Volcanic Island appeared near <i>Iceland</i> .	21
1783 More than 40,000 People perished by Earthquakes in <i>Italy</i> .	21
1783 Peace with <i>France</i> , <i>Spain</i> , and <i>America</i> , concluded Sept. 3.	21
1784 A general Peace concluded, July 2.	20
1784 Seventeen Districts in <i>Iceland</i> desolated, by a subterraneous Fire.	20
1786 Commercial Treaty with <i>France</i> , signed Sept. 26.	18
1788 His Majesty <i>George III.</i> seized with a dangerous Disorder.	16
1789 April 2, the King, Royal Family, &c. went in State to <i>St. Paul's</i> , being a Day of General Thanksgiving for His Majesty's Recovery.	15
1789 Revolution in <i>France</i> .	15
1790 <i>Joseph II.</i> Emperor of <i>Germany</i> died Feb. 20.	14
1790 <i>Henry Frederick</i> , Duke of <i>Cumberland</i> died Sept. 18.	14
1792 <i>Leopold</i> , Emperor of <i>Germany</i> , died March 1.	12
1792 <i>Gustavus</i> , King of <i>Sweden</i> , shot by <i>Ankerström</i> , March 16, died March 29 following.	12
1792 War declared by <i>France</i> against the King of <i>Bohemia</i> and <i>Hungary</i> , April.	12
1792 The French Monarchy altered to a Republic, Sept.	12
1793 The French King, <i>Louis XVI.</i> beheaded, Jan. 21.	11
1794 The French defeated by Lord <i>Howe</i> , June 1.	10
1796 Prince of <i>Wales</i> married, April 8.	9
1797 Spanish Fleet defeated by Earl <i>St. Vincent</i> , Feb. 14.	7
1797 Princess Royal married to the Duke of <i>Wirttemberg</i> , May 18.	7
1797 Dutch Fleet defeated by Lord <i>Duncan</i> .	7
1798 French Fleet destroyed by Lord <i>Nelson</i> .	6
1801 French make a Peace with <i>Germany</i> .	3
1801 A general Peace with <i>France</i> .	3
1801 The Planet <i>Piazzi</i> discovered.	3
1802 The Planet <i>Oberis</i> discovered.	2

ACCOUNT OF THE ECLIPSES,

AND OTHER

ASTRONOMICAL APPEARANCES,

In the Year 1804.

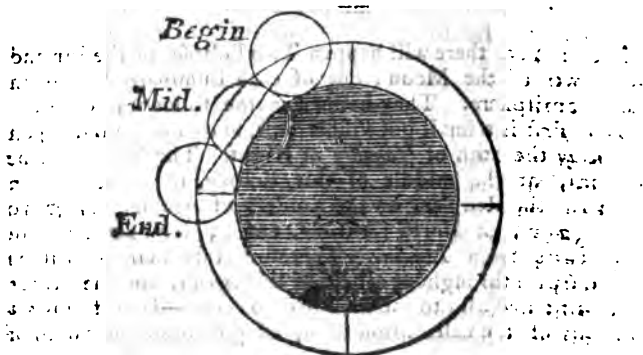
IN this Year there will happen Two Eclipses of the Sun and Two of the Moon; one of each Luminary Visible in our Hemisphere. They happen in the following order.

The first is a small but visible Eclipse of the Moon, upon *Thursday* the 16th of *January* at Night. The Moon will be vertical, at the middle of this Eclipse, over the Eastern Coast of the Red Sea, on the Borders of Arabia, under 19 deg. 32 m. of North Latitude, and 43 deg. 26 min. East Longitude from London. Therefore this Eclipse will be visible quite throughout all Europe and Africa, and the Islands adjacent; and also to the most parts of Asia.—Here follows a Synopsis of the calculation of it, adapted to the meridian of London.

	d.	h.	m.	s.
Equal time of the Ecliptic 8 Jan.	26	9	32	44
Equation of time subtract.			12	53
Apparent time at London, Jan.	26	8	59	51
Place of the Sun		5	47	53
Place of the Moon in her Orbit		5	47	53
Moon's North Node		13	57	28
Argument of Latitude		21	50	25
The Latitude of the Moon, N. D.			44	55
Hourly Motion of ☾			2	32
Hourly Motion of ☽ from ☉			33	25
Sum of the Horizontal Parallaxes of ☉ and ☽			30	57

Semi-diameter of the ☉ Sub.	- - -	16	20
Semi-diameter of Earth's Shadow (40" added)	- - -	41	38
Semi-diameter of the Moon add	- - -	15	40
Sum of their Semi-diameters	- - -	57	18
Latitude of the Moon sub.	- - -	44	55
Parts deficient	- - -	22	23
Digits eclipsed are	- - -	4	44
Scruples of Incidence	- - -	35	35
Time from the 8 to middle; and add	- - -	7	38
Time of Incidence, sub. and add	- - -	ih	9 8

In these Kingdoms of Great Britain, the time and manner of its appearance, may be expected to correspond with the following Type and Calculations.



January, 26th 1804

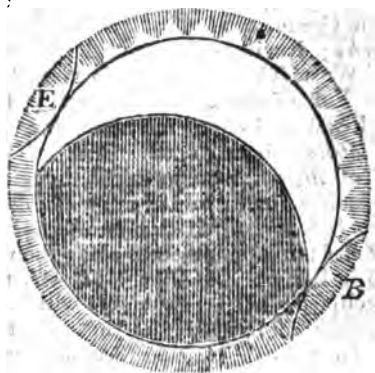
	London.			Oxford.			Edinb.		
	h.	m.	s.	h.	m.	s.	h.	m.	s.
Beginning	7	58	21	7	53	17	7	46	21
Opposition	8	59	51	8	54	47	8	47	51
Middle	9	7	29	9	2	25	8	55	29
End	10	16	57	10	11	33	10	4	37

Digits eclipsed, 4° 46' 36"

The second Eclipse will be rather a famous one of the year, on Saturday, February the 11th, in the morning, and here, if clouds cover not. This Eclipse will be first

seen to begin on the Sun's upper limb, at his rising, in Lat. $2^{\circ} 28' N.$ and Long. $37^{\circ} 8' W.$ of *London*, which place falls on the Atlantic Ocean, not far from the N. E. coast of *Brazil*, in *South America*; it will be first central in Lat. $19^{\circ} 51' N.$ Long. $50^{\circ} 43' W.$ which also happens in the Atlantic Ocean, about 10 deg. East of the *Caribbee Islands*. This Eclipse will be central and total on the meridian, near the northern extremity of *Africa*, about 70 miles West of *Constantia* in the kingdom of *Algeri*, Lat. $36^{\circ} 7' N.$ Long. 6 deg. East. The central shade will also pass over the Parallel of *London*, a little to the S. S. W. of the city of *Warsaw*, in *Poland*; Long. $23^{\circ} 30' E.$; it then proceeds along the western parts of *Russia*, and in Lat. $65^{\circ} 8' N.$ Long. $51^{\circ} 50'$, the Sun will set centrally eclipsed; but the Penumbra will leave the earth and the Eclipse be last seen, in that part of the province of *Afracan*, not far from the *Caspian Sea*, laying in Lat. $49^{\circ} 16' N.$ Long. $49^{\circ} 49' E.$ As the Sun at this time begins to make his appearance to those places that are situate within about 15 deg. of the North Pole, the Penumbra will pass over some parts of the earth as far as this limit. Indeed if the Sun had had a North, instead of South Declination, this Eclipse would have been visible at the Pole; for the northern part of the Penumbra will pass considerably above the North Pole of the earth; though the greatest defect in Lat. $75^{\circ} 41'$ (which is as far North as the Sun will be visible) will be in $3^{\circ} 30' E.$ Long. where the Sun will be rather more than 7 digits eclipsed, and perhaps he will be visible for a few minutes by refraction; but its extent to the South is more limited. It will rise eclipsed in Lat. $14^{\circ} 55' S.$ Long. $52^{\circ} 23' W.$ which would have been its greatest extent southward, had the Poles of the earth laid within the plane of illumination, but as that is not the case, I apprehend it will reach as far South as *Port Segura*, on the western coast of *Brazil*, Lat. $17^{\circ} S.$ Long. $40^{\circ} 5' W.$ from *Lima*. The following Type, adapted to *London*, may, without sensible error, serve all parts of this Kingdom, the quantity of light excepted; and that may be nearly estimated from the subsequent calculations.

Type at Middle.



Feb. 11th, 1804.

	Edinb.	York.	London.	
	h. m.	h. m.	h. m.	
Beginning . . .	10 11	10 19	10 21	Morn.
Middle	11 25	11 36	11 39	
End	12 39	12 51	12 57	app. time.
Digits eclipsed	7° 52'	8° 16'	8° 36'	

The third is another partial Eclipse of the Moon, and happens on *Sunday*, the 22d of *July*, but it will be invisible in *England*. With respect to the meridian of *London*, it begins at 52 min. past three in the afternoon, and it will be quite over at 10 min. past 7, which is about 44 min. before the Moon rises. Digits eclipsed at middle 10° 52, on the Moon's North Limb. It will be visible at *New Zealand*, *New Holland*, *Van Dieman's Land*, to all the Inhabitants (if any such there be) nearly 21 deg. all round the South Pole; and to most of the little Islands scattered and dispersed in the great South Sea; also to those Islands pertaining to the Indian and Eastern Seas, even to the Island of *Madagascar*, and eastern parts of *Africa*; as far North as the *Red Sea*, *Arabia*, and *Persia*; the eastern parts of *Europe*, to the *Caspian Sea*, *Astracan* and *Siberia*; also in *Russia*, where the Moon will be seen to rise before the Eclipse be over.

The fourth and last of these Eclipses is of the Sun, on day, the 5th of *August*, at 59 min. past 3 in the after-

tion, in Long. $12^{\circ} 56'$. Moon's Lat. $44^{\circ} 30'$ S. but as the Moon's Parallax will increase her Latitude, it cannot, on that account, be seen in any part of these Kingdoms; but in the southern parts of the world, where the Moon's Parallax diminisheth her Latitude, it will be visible. In *South America* it will be a very great Eclipse, for in Lat. 38° deg. South, and 66° deg. Long. West from *London*, the Sun will be centrally eclipsed at noon day.

Siderum Congressus.

On *Thursday* the 12th of *April*, at night, the *Moon* will eclipse the *Star Eta*, a Star of the 3d magnitude, one of the *Pleiades* or *Seven Stars*. Immersion at 50 min. past 7, and the Emerision will be at 12 min. past 8 o'clock; app. time at *London* and *Cambridge*. The *Moon* eclipses others of them at the same time, which, by viewing of them with a telescope, will make a pretty appearance.

On *Tuesday* the 17th of *July*, the *Moon* eclipses a small Star in *m*. Immersion 25 min. past 9 at night; Emerision min. past 10 o'clock, app. time at *London*.

On *Sunday* the 21st of *October*, the *Moon* will again eclipse some of the *Seven Stars* between 4 and 5 in the morning. Immersion of the *Star Eta*, 9 min. past 4; and Emerision 15 min. past 5 o'clock, app. time at *London*.

On *Saturday*, the 15th of *December*, the *Star Eta* will be eclipsed. Immersion at 39 min. past 2 in the morning, and Emerision at 31 min. past 3 o'clock, app. time. The *Moon* occults others of the *Pleiades* at the same time.

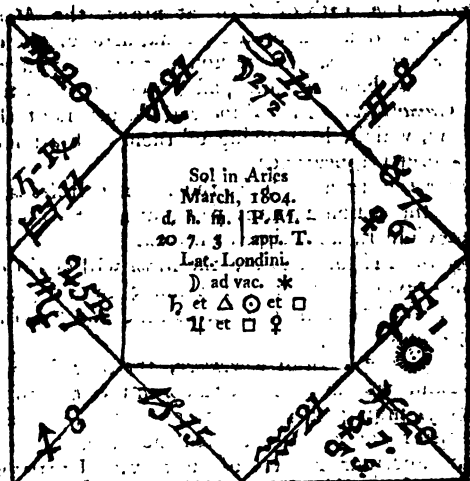
The two superior Planets of note, viz. *JUPITER* and *SATURN*, are separating from their conjunction in *m*. very fast, and will soon be a great way asunder, *Jupiter* leaving *Saturn* westward of him. They will not meet again until the year 1821, which will then be in *ARIES*, the Ascendant of *England*, and a sign of the fiery Trigon.

26 ASTROLOGICAL OBSERVATIONS. WING.
Of the **FOUR QUARTERS** of the **YEAR**
1804:

WITH A SUMMARY
VIEW OF THE POSITIONS AND INFLUENCES
OF THE
PLANETS therein.

Of the **SPRING QUARTER.**

Schema Cæli ingressu Solis in Ariete.:



This Quarter begins, when the *Sun* (according to appearance) touches the first point of *Aries*, which this year happens upon the 20th day of March, at 3 min. past 7 at night, when 15 deg. of ♄ is on the meridian, and 11 deg. of ♄ ascends in the Latitude of *London*. The Moon ad vac. * ♄ et △ of the *Sun*, et □ of ♃ et □ of ♀. The rest of the Planets appear as in the above Figure of the Heavens. You see all the angles of the Figure partake of the four Cardinal Points, and the *Moon* is strong, angular, and in her own domal dignities; which position of the *Moon* represents the People of *England*, and will continue to put an Heroic Spirit in the

whole Nation, to oppose, strenuously to oppose, the encroachments of the *French* Government, should the War be unfortunately protracted to this time. The approaching 8 of ♄ and ♂ the 19th of *April*, and the 8 of ♄ and ♂ the 27th of *May*, are very angry positions, but I hope their effects will fall remote from us, for they signify some great changes and alterations to befall some Countries; and many representations there will be of the various intentions and designs of the unsettled Nations; some there will be labouring for the Peace of *Europe* and parts adjacent, while others are wholly bent upon War; however, there appears to be a concurrence of Astral Signs of some changes and catastrophes to befall some Nations and States, I will not particularly say, but I am sure some great changes in *Europe* are drawing on; in short, we may expect to hear of dissensions, with detriment and loss, with the sacking of cities and towns, and burning of houses, where armies are on foot, should the War between this Country and France, &c. be not concluded, or nearly so, before the present Quarter; but let us hope for the best, for there are some pacific configurations also at this time, which I hope, at the worst, will, in some measure, soften and alleviate the evil Genii of these troublesome times.

“ Things do appear most strangely in the world,

“ Some Nations rise, and some are over-hurl'd.

The SUMMER QUARTER.

The Summer Quarter begins on *Thursday* the 21st day of *June*, at 50 min. past 4 in the afternoon, at which Time the 11th deg. of ♊ culminates, and the 21st deg. of ♈ ascends in the East. Here *Mars* is Lord of the Ascendant, in a Δ aspect of ♄ and $\square$ of ♂ . The Moon ab Δ ♂ ad 8 ♄ et ♄ of ♄ . From the positions of this Ingress, I conjecture that the general affairs of *Europe* will be carried on with great policy and privacy, and that there will be some eminent councils and debates about matters and things that relate to Kingdoms and Nations, and particularly concerning War and Peace; I hope it may be in settling the latter, on a more solid basis, than was done in 1802; under the baneful influences of the late grand Conjunction of *Jupiter* and *Saturn*, which made that Peace but very ill-timed, so that it could not well stand, as has been the case. However, there are some mild pacific Configurations of the Planets this Quarter, which I hope will, in some measure, lay the foundation a General Peace, should that not have been done before n

48 ASTROLOGICAL OBSERVATIONS. WING.

I also expect Feverish Distempers, Tertians, and Eruptions of the Blood, Sudden Death, and that chiefly of the younger sort; but the industrious Farmer is promised profitable crops, and the diligent Tradesman good returns, with success and profit, in his business and employment.

THE AUTUMN QUARTER.

This Quarter begins on the *Sun's* entrance into *Libra*, and happens this year on *Sunday* the 23d day of *September*, at 47 min. past 6 in the morning, when 11 deg. of ϖ culminates, and 8 deg. of α ascends on the eastern angle. The *Moon* ab $\square$ of φ et $\ast$ δ . The Planet δ is in *Cancer*, angular in the medium *Cæli*, in a $\square$ of η on the Cusp of the Ascendant, but in a Δ to γ , who is in the 2d house in *m*.—Thus stands the face of the Heavens at this Ingress, which imports no good to the Merchants of *England's* Metropolis; they will probably suffer some loss by the turbulent proud temper of some of their Brethren, as well as by Pirates and impetuous Storms at Sea; but the prudent conduct and timely care of the Government, will, in a great measure, meliorate those misfortunes. We also conclude and expect some very remarkable Revolutions and Alterations this Year in mundane Affairs. *Holland*, have a care of Inundations, Sedition and Uproars. Tertian Agues, Fevers, and other acute Diseases will be very rife, through some of the Planetary configurations of this Quarter.

THE WINTER QUARTER.

On the *Sun's* entrance into *Capricorn*, begins the Winter Quarter, which this year happens on *Friday*, the 21st of *December*, at 27 min. past 11 at night, at which time 23 deg. of π is on the Mid-heaven, and 25 deg. of m ascends in the East. The *Moon* ad Δ φ et $\ast$ φ ; and at hand is a $\square$ of η and δ ; and a δ of γ and φ . Thus are the Planets configured at this time, from which I conclude, *France*, *Spain*, *Italy*, and *Holland*, are threatened with divisions and disappointments, of which our own Nation will not be free, for there are many doubtful accusations and uncertain informations against great persons in the Courts of Princes; and many are tossed sufficiently upon the waves of trouble and vexation. The diseases of this Quarter are similar to the last. And thus I conclude the four Quarters, with wishing health and happiness to all my friends and loving countrymen.

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ΑΤΛΑΣ ΟΥΡΑΝΙΟΣ,
The COELESTIAL ATLAS;
OR, A NEW
E P H E M E R I S

For the YEAR of our LORD 1804.
Being the
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Wherein are contained
The Heliocentrick and Geocentrick Places of the Planets;
the ECLIPSES of the Luminaries, and other remarkable PHENO-
MENA that will happen this Year.

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and a very correct one of the Eclipses of JUPITER's first Satellite;
a TABLE of the Sun's Right-Ascension; various exact TABLES of
the most remarkable fixed Stars, corrected from Mr. FLAMSTEED's
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and Longitudes of the most remarkable Places in the World.

By **ROBERT WALLIS**,
Teacher of the Mathematics.

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Chronological Notes for the Year 1804.

Golden Number	- 19	Septuagesima Sund.	Jan. 29
Cycle of the Sun	- 21	Shrove Sunday	Feb. 12
The Epact	- 18	Easter Day	Apr. 1
Dominical Letter	- AG	Whit Sunday	May 20
Number of Direction	- 12	Trinity Sunday	May 27
Roman Indiction	- 7	Advent Sunday	Dec. 2

Astronomical CHARACTERS explained.

♈ Aries	♋ Cancer	♎ Libra	♏ Capricorn
♉ Taurus	♌ Leo	♏ Scorpio	♐ Aquarius
♊ Gemini	♍ Virgo	♏ Sagittary	♑ Pisces

♄ Saturn	☉ Sol (the Sun)	☾ Luna (the Moon)	♁ Herschel
♃ Jupiter	♀ Venus	♊ Moon's N. Node	the New or
♂ Mars	☿ Mercury	♋ her S. Node	Georgian Planet.

- ♄ Conjunction when Planets are in the same Sign, Deg. Min. &c.
 * Sextile when 2 Signs dist. | ☿ Trine when 4 Signs dist.
 ♄ Quartile when 3 Signs dist. | ♋ Opposition when 6 Signs dist.

Of the Four Quarters of the YEAR 1804.

	d	h	m
THE Spring Quarter begins	March 20.	7	3 after.
The Summer Quarter begins	June 21	4	50 after.
The Autumnal Quarter begins	Sept. 23	6	47 morn.
The Winter Quarter begins	Dec. 21	11	27 night.

THE beautiful Planet VENUS will be an Evening Star till August the 4th; and after that Time she will be a Morning Star to the Year's End.

JUPITER will be a Morning Star till April the 21st; at which Time he becomes an Evening Star till November the 8th; and then a Morning Star to the Year's End.

The NAMES of the Learned JUDGES of the LAW.

I. Right Hon. Lord Eldon, Lord High Chancellor of Great Britain.

Right Hon. Sir William Grant, Knt. Master of the Rolls.

II. In the } Right Hon. Lord Ellenborough, L. C. J. Sir Simon Le Blanc, Kt.
K. Bench. } Sir Soulden Lawrence, Knt. Sir Nash Grose, Knt.

III. In the } Right Hon. Lord Alvanley, L. C. J. Sir Giles Rooke, Knt.
C. Pleas. } John Heath, Esq. Sir Alan Chambré, Knt.

IV. In the } Sir Arch. Macdonald, Kt. L. C. B. Sir Beaumont Hotham, Kt.
Exchequer } Sir Alex. Thompson, Knt. Sir Robert Graham, Knt.

Hon. Spencer Percival, Attor. Gen. Sir Thomas Sutton, kt. Solicitor Gen.

A TABLE of TERMS and Returns.

Hilary Term begins Jan. 23, ends Feb. 13.

Returns or Effoign-days.		Exc.	Ret.	Ap.	W. D.
In eight Days of St. Hilary,	Jan. 20	21	22	23	Monday
In fifteen Days of St. Hilary	27	28	29	30	Monday
On the Mor. of the Purif. of the Bl. V. M.	Feb. 3	4	5	6	Monday
In eight Days of the Purif. of the Bl. V. M.	9	10	11	13	Monday

Easter Term begins April 18, ends May 14.

In fifteen Days of Easter	April 15	16	17	18	Wedn.
From Easter Day in three Weeks	22	23	24	25	Wedn.
From Easter Day in one Month	29	30	31	2	Wedn.
From Easter Day in five Weeks	May 6	7	8	9	Wedn.
On the Mor. of the Ascension of the Lord	11	12	13	14	Monday

Trinity Term begins June 1, ends June 20.

On the Morrow of the Holy Trinity,	May 28	29	30	31	Friday.
In eight Days of the Holy Trinity,	June 3	4	5	6	Wedn.
In fifteen Days of the Holy Trinity,	10	11	12	13	Wedn.
From the Day of the Holy Trin in 3 W.	17	18	19	20	Wedn.

Michaelmas Term begins Nov. 6, ends Nov. 28.

On the Morrow of All Souls	Nov 3	4	5	6	Tuesday
On the Morrow of St. Martin	12	13	14	15	Thursd.
In eight Days of St. Martin	18	19	20	21	Wednesf.
In fifteen Days of St. Martin	25	26	27	28	Wednesf.

N. B. No-Sittings in Westminster-Hall on the Second of February, Ascension-day, and Midsummer-day.

The Exchequer opens eight Days before any Term begins, except Trinity, before which it opens but four Days.

Note. The first and last Days of every Term, are the first and last Days of Appearance.

BIRTH-DAYS of the ROYAL FAMILY.

KING GEORGE III. June 4, 1738	Duke of Cambridge, Feb. 24, 1774
Prince of Wales, Aug. 12, 1762	Princess Mary, April 25, 1776
Duke of York, August 16, 1763	Princess Sophia, Nov. 3, 1777
Duke of Clarence, Aug. 21, 1765	Princess Amelia, Aug. 7, 1783
Ds. of Wirtemberg, Sept. 29, 1766	Queen Charlotte, May 19, 1744
Duke of Kent, Nov. 2, 1767	Duchess of Brunswick, Aug. 12, 1737
Pra. Augusta Sophia, Nov. 8, 1768	Duke of Gloucester, Nov. 25, 1743
Pra. Elizabeth, May 22, 1770	Princess of Wales, May 17, 1768
Duke of Cumberland, June 5, 1771	Duchess of York, May 7, 1767
Duke of Sussex, Jan. 27, 1773	Pra. Charlotte of Wales, Jan. 7, 1756

SOVEREIGNS of EUROPE, their Accession, &c.

Kingdoms, &c.	To whom subject.	When born.	Began to reign.
England, &c.	George III.	June 4, 1738	Oct. 25, 1760
France	Bonaparte, Consul	Aug. 15, 1769	Dec. 15, 1799
Russia	Alexander	Dec. 23, 1777	Mar. 24, 1801
Spain	Charles IV.	Nov. 11, 1748	Dec. 17, 1788
Portugal	Peter and Mary	Dec. 17, 1734	Feb. 24, 1777
Prussia	Frederic Wm. III.	Aug. 3, 1770	Nov. 10, 1797
Denmark & Norway	Christian VII.	Jan. 29, 1749	Jan. 14, 1766
Sweden	Gustavus IV.	Nov. 1, 1778	Mar. 29, 1792
Germany	Francis II.	Feb. 12, 1767	Mar. 1, 1792
Papedom	Pius VII.	Aug. 13, 1742	Mar. 14, 1800
Sardinia	Victor Emanuel	May 24, 1751	June 4, 1802
Naples, or Two Sicilies	Ferdinand IV.	Jan. 12, 1751	Oct. 5, 1759
Ottoman Empire	Selim III.	July 17, 1761	April 7, 1789

The FULL WEIGHT of the Coins, with the LEAST WEIGHT allowed to pass of the Gold Coin,

	Wt. allowed.	Full Wt.		Full Wt.
GOLD.	dwt. gr.	dwt. gr.	SILVER.	dwt. gr.
Guinea, - -	5 8	5 9 3/8	A Crown, - -	29 3 1/2
Half Guinea, - -	2 16	2 16 3/4	Half Crown, - -	9 16 1/2
Seven Shillings, -	1 19	1 19 3/4	Shilling, - -	3 20 1/2
			Six Pence, - -	1 22 1/2

According to the above proportions it appears, that the value of a lb. of silver is 62 s. or 31. 2 s. and of a lb. of gold is 44 1/2 guineas, or 461. 14 s. 6 d. Also that the sm. of silver is 9 s. 2 d. and the sm. of gold 3 l. 17 s. 10 d. So that the value of the standard gold is 15 times that of the silver, and 1-14th more.

A TABLE of the **KINGS** and **QUEENS** of **ENGLAND** since the **CONQUEST**.

Kings and Queens	Born A.D.	Began their Reign	Reigned Y. M. D.	Rem. Deaths and Dethroned	Where buried
Will. Conq.	1027	1066 Oct. 14	20 10 26 60	Burst by Leap.	Caen, Norm.
Will. Rufus	1057	1087 Sept. 9	12 10 24 43	Slain accidentally.	Winchester
Henry I.	1068	1100 Aug. 2	35 3 29 77		Reading
Stephen	1105	1135 Dec. 1	18 10 24 49		Feverham
Henry II.	1133	1154 Oct. 25	34 8 11 55		Fonteverau
Richard I.	1156	1189 July 6	9 9 0 43	Slain with an Arrow.	Fonteverau
John	1165	1199 April 6	17 6 13 50		Worcester
Henry III.	1207	1216 Oct. 19	56 0 28 65		Westminster
Edward I.	1239	1272 Nov. 16	34 7 21 67		Westminster
Edward II.	1284	1307 July 7	19 6 18 43		Gloucester
Edward III.	1312	1327 Jan. 25	50 4 27 65		Westminster
Richard II.	1366	1377 June 21	22 3 8 33	Dep. & murd.	Westminster
Henry IV.	1367	1399 Sept. 29	13 5 20 46		Canterbury
Henry V.	1389	1413 Mar. 20	9 5 11 33		Westminster
Henry VI.	1421	1422 Aug. 31	38 6 4 49	Dep. & murd.	Windfor
Edward IV.	1442	1461 Mar. 4	22 1 5 41		Windfor
Edward V.	1471	1483 April 9	0 2 15 12	Murder'd.	Not known
Richard III.	1443	1483 June 22	2 2 0 42	Slain in Battle.	Leicester
Henry VII.	1456	1485 Aug. 22	23 8 0 52		Westminster
Henry VIII.	1492	1509 April 22	37 9 6 55		Windfor
Edward VI.	1537	1547 Jan. 28	6 5 8 15		Westminster
Mary I.	1516	1553 July 6	5 4 11 42		Westminster
Elizabeth	1533	1558 Nov. 17	44 4 7 69		Westminster
James I.	1566	1603 Mar. 24	22 0 3 58		Westminster
Charles I.	1600	1625 Mar. 27	23 10 3 48	Beheaded.	Windfor
Charles II.	1630	1649 Jan. 30	36 0 7 54		Westminster
James II.	1633	1685 Feb. 6	4 0 7 67	Abdicated.	St. Germain
Mary II.	1662	1689 Feb. 13	5 10 15 32		Westminster
William III.	1650	1689 Feb. 13	13 0 23 52		Westminster
Anne	1665	1702 Mar. 8	12 4 24 49		Westminster
George I.	1660	1714 Aug. 1	12 10 10 67		Hanover
George II.	1683	1727 June 11	33 4 14 77		Westminster
George III.	1738	1760 Oct. 25	Crowned Sept. 22, 1761.		

Above you view the Rise and Fall of Kings,
Whose Fate sometimes a useful Lesson brings.
Well if all Men could profit from the past!
Each know his Duty, each excel the last,
And justly execute his stated Task.

A TABLE of the most Reverend, Right Reverend, and Reverend, the ARCH-BISHOPS, BISHOPS and DEANS, exercising Ecclesiastical Jurisdiction.

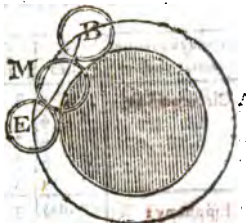
BISHOPS.	Sees.	Date.	Succeeded.	DEANS.
Dr. John Moore	Bangor	1775	Ewer deceased	
Arch-Bishop	Canterb. A. B.	1783	Cornwallis dec.	Dr. Powys
Dr. Will. Markham	Chester	1771	Keene translat.	
Arch-Bishop	York A. B.	1777	Drummond dec.	Dr. Markham
Dr. Beilby Porteus	Chester	1776	Markham tran.	
	London	1787	Lowth deced.	Bishop Pretyman
	Lundoff	1769	Shipley translat.	
Hon. Dr. S. Barrington	Salisbury	1782	Hume dec.	
	Durham	1791	Thurlow dec.	Bishop Cornwallis
	Litch & Cov.	1771	Egerton translat.	
Hon. Dr. B. North	Worcester	1774	Johnson deced.	
	Winchester	1781	Thomas deced.	Dr. Newton Ogle
	St. David's	1774	Moss translat.	
H. Dr. James Yorke	Gloucester	1779	Warburton dec.	
	Ely	1781	Keene deceased	Dr. Wm. Pearce
Dr. Richard Hurd	Litch. & Cov.	1775	B. North tr.	
	Worcester	1781	B. North tr.	Dr. Ar. Onslow
Dr. J. Cornwallis	Litch. & Cov.	1781	Hurd translat.	Dr. Babt. Proby
Dr. Richard Watson	Landaff	1782	Barrington tr.	Mr. S. Gale, Pres.
Dr. G. Pretyman	Lincoln	1787	Thurlow tran.	Sir R. Kaye, Bt.
Dr. John Douglas	Carlisle	1787	Law dec.	
	Salisbury	1791	Barrington tra.	Dr. John Ekins
	St. David's	1788	Smalwell tr.	
Dr. Samuel Horsley	Rochester	1793	Thomas dec.	
	St. Asaph	1802	Bagot dec.	Mr. W. D. Shipley
Dr. Wm. Cleaver	Chester	1788	Porteus tran.	
	Bangor	1800	Warren dec.	Mr. John Warren
Dr. Richard Beadon	Gloucester	1789	Hallifax tran.	
	Bath & Wells	1802	Moss deceased	Dr. Geo. W. Lukin
Dr. E. V. Vernon	Carlisle	1791	Douglas translat.	Dr. Isaac Milner
Dr. Charles Sutton	Norwich	1792	Horne deced.	Dr. Joseph Turner
	Bristol	1792	Bagot translat.	
Dr. Spencer Madan	Peterborough	1794	Hinchliffe dec.	Dr. Tho. Kipling
	Bristol	1797	Courtenay tra.	
Dr. F. H. W. Cornwall	Hereford	1802	Bullet deced.	Dr. N. Wetherell
Dr. John Buckner	Chichester	1797	Ashburnham d.	Mr. Cothbe Miller
Dr. John Randolph	Oxford	1799	Smalwell dec.	Dr. Cyril Jackson
Dr. H. W. Majendie	Chester	1800	Cleaver tran.	Dr. G. Cotton
Dr. Thomas Dampier	Rochester	1802	Horsley translat.	Dr. Goodenough
Dr. I. G. Huntingford	Gloucester	1802	Beadon translat.	Dr. John Luxmore
Hon. Dr. G. Pelham	Bristol	1802	Cornwall tr.	Dr. Sparke
Dr. Thomas Burgess	St. David's	1803	Murray deced.	Mr. Wollaston, P.
Dr. John Fisher	Exeter	1803	Courtenay dec.	Mr. Talbot
	Westminster	1802	Horsley prom.	Dr. Vincent
	Windfor	1788	Douglas prom.	Bishop Sutton
Dr. Crigan	Sodor and Man			

IN the course of this year there will happen four eclipses, viz. two of the Sun, and two of the Moon, but only one of each visible.

I. *January 26*, in the evening, the Moon is eclipsed, and visible here. The particulars and type for London, are as below :

	Evening.
Beginning of eclipse	7h 57 $\frac{1}{2}$ m.
Visible opposition	8 58 $\frac{1}{2}$
Middle of eclipse	9 7
End of the eclipse	10 16 $\frac{1}{2}$
Digits eclipsed	4° 44'

This eclipse will be visible to all Europe and Africa, and the greatest part of Asia, with all their adjacent isles.



II. *February 11*, in the morning, the Sun will be eclipsed, and visible in these parts. The particulars and type for London, are as below :

	Morn.
Beginning of the eclipse	10h 27m.
Greatest obscuration	11 39
End of the eclipse	12 55
Digits eclipsed	8° 36'

This will be a much larger eclipse in the southern parts of France, Spain, Portugal, Italy, the Mediterranean, and the northern parts of Africa, &c.



III. *July 22*, the Moon is eclipsed in the afternoon, but invisible to these parts, because before the moon has risen. With respect to the time at London, the beginning will be at 3h 52m afternoon, the middle at 5h 31m, and the end at 7h 10m, the quantity eclipsed being 11. It will be visible to all parts in the great southern ocean, as Madagascar, East Indies, the Indian and Philippine isles, New Zealand, New Holland, New South Wales, &c.

IV. *August 5*, the Sun will be eclipsed, about 4 in the afternoon but not a visible eclipse in these parts, though in the southern parts of America it will be a total and central eclipse.

Obliquity of the Ecliptic.	1804.	Equation of Equinoctial Point
23° 27' 55.8"	January 1,	- +12.5"
23 27 56.0	April 1,	- +13 6
23 27 54.4	July 1,	- +14.6
23 27 54.4	October 1,	- +15.4
23 27 52.6	Decemb. 31,	- +16.1

THE LUNATIONS.

Last quarter the 4th day, at 51 minutes past 9 night.

New Moon the 12th day, at 3 minutes past 9 night.

First quarter the 19th day, at 47 minutes past 9 night.

Full Moon the 26th day, at 38 minutes past 8 night.

Sundays & other remark. days	☾ rises	☾ sets	☾ declin.	☾ declin.	☾ rises & sets	☾ south	Clock bef. ☾
1 Circumcession	8 5	2 55	23 5	9 n 20	9 8 11	3 14	3 33
2	8 4	3 56	23 7	3 45	10 23	3 57	4 1
3	8 4	3 56	22 55	1 50	11 33	4 38	4 30
4	8 3	3 57	22 50	7 17	morn	5 17	4 57
5	8 4	3 58	22 44	12 24	0 42	5 57	5 25
6 Epiphany	☾ day	3 59	22 37	17 4	1 53	6 39	5 52
7 O. Chr. D.	8 0	4 0	22 30	21 6	3 5	7 23	6 19
8 S. aft. Epiph	Lucian	4 0	22 24	24 28	4 18	8 9	6 45
9 Flow Monday	7 59	4 1	22 14	26 27	5 25	8 59	7 10
10	7 58	4 2	22 6	27 20	6 20	9 52	7 36
1	7 57	4 3	21 57	16 49	7 22	10 46	8 0
2	7 56	4 4	21 48	24 50	sets	11 41	8 24
3 Cam. T. b. Hill	O. N. D.	4 5	21 38	21 29	4 27	0 2 34	8 48
4 Oxford Ter. b.	7 53	4 7	21 28	16 56	6 10	1 25	9 10
5 2 Sun. a. Epiph	7 52	4 8	21 18	11 27	7 33	2 14	9 32
6	7 51	4 9	21 7	5 21	8 36	3 8	9 54
7	7 50	4 10	20 55	1 n 3	10 18	3 49	10 15
8 O. Char. b. d. k	7 49	4 12	20 44	7 27	11 42	4 37	10 35
9 Phil. O. T. d.	7 47	4 13	20 31	13 29	morn	5 27	10 54
10 Fabian	7 46	4 14	20 19	18 50	1 8	6 20	11 13
1 Agnes [Vince.	7 44	4 16	20 6	23 9	2 35	7 19	11 30
2 2 Sun. a. Epiph	7 42	4 17	19 53	26 4	4 0	8 10	11 47
3 Hil. Term beg.	7 41	4 19	19 39	27 20	5 14	9 17	12 3
4	7 40	4 20	19 25	26 51	6 16	10 17	12 19
5 Con. of St. Paul	7 38	4 22	19 11	24 42	7 15	11 12	12 38
6 Eclipse of vis.	7 37	4 23	18 56	21 11	rises	morn	12 47
7 D. of Suffex b.	7 35	4 25	18 41	16 37	5 21	0 6	13 0
8	7 34	4 26	18 26	11 23	6 38	0 55	13 12
Septuagesima S.	7 32	4 28	18 20	5 48	7 54	1 40	13 23
10 K. Ch. I. mart	7 31	4 29	17 54	0 7	9 4	2 22	13 34
1	7 20	4 31	17 38	5 28	10 15	3 3	13 44
Day increas. of Day.	Length of Day.	Helioc. long. ♀	Helioc. long. ♂	Helioc. long. ♂	Helioc. long. ♀	Helioc. long. ♂	☾ rises
1 0 8	7 50	27 31	22 30	28 15	9 55	15 39	6 43
7 0 16	8 6	27 44	23 3	28 27	16 4	15 10	6 24
13 0 28	8 12	27 56	23 30	5 5	12 11	14 41	24 31
19 0 44	8 28	28 8	23 57	9 29	28 18	24 12	24 42
25 1 0	8 44	28 20	24 25	13 4	45 24	3 45	0 11

1804.

January.

9

Days	Day lig. Begins	Day lig. ends	Durat. twilig.	Pl. D's mode	h's latitude	h's latitude	h's latitude	h's latitude	h's latitude
1	5 59	6 1	2 10	15 34	2 n 19	1 n 13	0 43	1 s 28	2 s 1
7	5 56	6 4	2 9	15 35	2 21	1 14	0 40	1 33	2 8
13	5 52	6 8	2 7	15 16	2 23	1 15	0 49	1 36	1 38
19	5 46	6 14	2 5	14 57	2 24	1 16	0 52	1 36	0 48
25	5 39	6 21	2 3	14 38	2 25	1 18	0 55	1 34	on 30
Days	☉'s longitude	☉'s long.	☉'s latitude	h's long.	h's long.	h's long.	h's long.	h's long.	h's long.
A	9 57 19	12 55	1 s 34	2 n 19	2 n 13	3 n 24	2 n 12	1 n 5	1 n 5
2	10 58 29	14 22	2 s 36	3 28	2 21	4 10	0 n 27	19 3	19 3
3	11 59 40	16 33	3 30	3 29	2 29	4 36	1 42	21 10	21 10
4	12 0 50	18 33	4 14	3 30	2 37	5 41	2 57	22 40	22 40
5	1 2 1	20 26	4 46	3 31	2 45	6 27	4 12	24 28	24 28
6	15 3 12	21 18	5 6	3 32	2 53	7 13	5 27	26 1	26 1
7	16 4 24	14 13	5 13	3 33	3 0	7 58	6 42	27 41	27 41
A	17 5 35	26 19	5 6	3 33	3 7	8 44	7 57	29 24	29 24
9	18 6 46	8 29	4 46	3 34	3 14	9 30	9 12	1 1	1 1
10	19 7 57	20 50	4 17	3 34	3 21	10 15	10 27	2 40	2 40
11	20 9 8	31 38	3 24	3 35	3 28	11 1	11 42	4 17	4 17
12	21 10 18	16 36	2 26	3 35	3 35	12 47	12 57	5 55	5 55
13	22 11 29	29 49	1 19	3 35	3 42	13 32	14 11	7 20	7 20
14	23 12 38	13 16	0 4	3 35	3 49	14 18	15 26	9 3	9 3
A	24 13 47	26 54	1 n 8	3 35	3 55	15 4	16 41	10 3	10 3
16	25 14 55	10 43	2 22	3 34	4 1	16 50	17 35	12 1	12 1
17	26 16 24	4 45	3 26	3 34	4 7	17 36	19 11	13 30	13 30
18	27 17 8	8 41	4 18	3 33	4 13	18 22	20 26	14 57	14 57
19	28 18 14	22 56	4 51	3 33	4 19	19 9	21 40	16 10	16 10
20	29 19 18	7 8	5 14	3 32	4 25	19 55	22 54	17 30	17 30
21	30 20 20	21 19	5 14	3 31	4 30	20 41	24 10	18 48	18 48
A	31 21 22	5 29	4 58	3 30	4 35	21 27	25 24	19 54	19 54
23	32 22 23	19 34	4 18	3 29	4 40	22 13	26 39	20 5	20 5
24	33 23 23	3 31	3 26	3 28	4 45	23 59	27 54	21 41	21 41
25	34 24 21	17 11	2 24	3 27	4 50	24 46	29 8	22 31	22 31
26	35 25 18	0 49	1 13	3 26	4 55	25 33	30 23	23 1	23 1
27	36 26 15	14 4	0 8	3 25	4 59	26 19	31 37	23 3	23 3
28	37 27 10	27 3	1 12	3 24	5 3	27 6	32 52	23 41	23 41
A	38 28 5	9 44	2 18	3 23	5 7	28 52	33 6	23 45	23 45
30	39 28 58	22 9	3 16	3 20	5 11	29 30	34 21	23 4	23 4
31	40 29 51	4 21	4 4	3 18	5 15	30 25	35 35	23 2	23 2
Days	☉'s rises	☉'s rises	☉'s sets	☉'s sets	h's declin.	h's declin.	h's declin.	h's declin.	h's declin.
1	2 m 13	7 m 45	5 a 27	4 a 21	0 n 45	11 s 7	24 s 9	21 s 47	24 s 2
7	1 51	7 38	5 42	4 49	0 45	11 22	24 0	21 8	21 3
13	1 29	7 30	6 0	5 21	0 45	11 35	23 42	18 7	20 1
19	1 6	7 20	6 17	5 49	0 48	12 46	23 14	15 49	16 4
25	0 38	7 10	6 35	6 6	0 52	13 56	22 36	13 15	13 2

The LUNATIONS.

Last quarter the 3d day, at 28 minutes past 7 afternoon.

New Moon the 11th day, at 9 minutes past 11 morning.

First quarter the 18th day, at 22 minutes past 5 morning.

Full Moon the 25th day, at 40 minutes past 12 noon.

M D	Sundays & other remark. days	☉ rises	☉ sets	☉'s declin.	☿'s declin.	☿ rises & sets	♂ fourth	Clock bef. ☉	
1		7 27	4 33	17 21	10 46	11 27	3 43	13 53	
2	Pur. or Cand. d.	7 25	4 3	17 4	15 37	morn	4 25	14 1	
3	Blafe	7 24	4 36	16 47	19 53	0 39	5 8	14 8	
4	[Agatha	7 22	4 38	16 29	23 22	1 51	5 51	14 15	
5	Sexagesima Sun.	7 20	4 40	16 11	25 52	3 3	6 42	14 20	
6		7 19	4 41	15 53	27 13	4 7	7 33	14 25	
7		7 17	4 43	15 35	27 13	5 5	8 27	14 29	
8		7 15	4 45	15 16	25 48	5 51	9 22	14 33	
9		7 13	4 47	14 57	22 55	6 25	10 16	14 35	
10	☉ eclipsed, vis.	7 11	4 49	14 38	18 44	6 50	11 9	14 37	
11		7 9	4 51	14 18	13 28	☿ sets	0 1	14 38	
12	Shrove Sunday	7 8	4 52	13 59	7 23	6 33	0 51	14 38	
13	Hilary Ter. ends	7 6	4 54	13 39	0 52	7 57	1 40	14 37	
14	Shrove Tuesday	Valent.	Old Ca.	13 19	5 45	9 21	2 29	14 36	
15	Ash Wednesday	7 2	4 58	12 58	12 3	10 50	3 20	14 34	
16		7 0	5 0	12 38	17 41	morn	4 13	14 31	
17	Ca. T. div. n.	6 58	5 2	12 17	22 18	0 18	5 9	14 27	
18		6 56	5 4	11 56	25 33	1 45	6 8	14 23	
19	1 Sun. in Lent	6 54	5 6	11 35	27 12	3 3	7 8	14 18	
20		6 52	5 8	11 14	27 8	4 8	8 8	14 12	
21		6 51	5 9	10 52	25 27	4 58	9 5	14 5	
22	Ember Week	6 49	5 11	10 31	22 21	5 31	9 58	13 58	
23		6 47	5 13	10 9	18 10	5 56	10 48	13 50	
24	St. Matthias: D.	6 45	5 15	9 47	13 12	6 15	11 34	13 42	
25	[of Cam. born	6 43	5 17	9 25	7 45	☿ rises	morn	13 35	
26	2 Sun. in Lent	6 41	5 19	9 3	2 5	6 44	0 17	13 23	
27		6 39	5 21	8 40	3 33	7 59	0 59	13 13	
28		6 37	5 23	8 18	8 58	9 10	1 40	13 2	
29		6 35	5 25	7 55	14 1	10 22	2 21	12 51	
Days	Day increaf.	Length of d-y	Helioc. long. ♀	Helioc. long. ☿	Helioc. long. ♂	Helioc. long. ☉	Helioc. long. ♀	Helioc. long. ☿	h rises
1	1. 24	9 8	28 17	24 56	17 16	11 31	14 54	14 25	9 2 9
7	1 45	9 26	28 47	25 24	20 54	17 36	24 28	18 21	8 43
13	2 7	9 49	28 56	25 51	24 33	23 40	4 8	16 17	8 18
19	2 29	10 10	29 11	26 18	28 15	29 43	13 39	10 23	7 53
25	2 51	10 34	29 23	26 46	1 57	5 24	23 17	0 14	7 25

1804.

February.

11

Days	Day lig. begins	Day lig. ends	Durat. twilig.	Pl. D's node	h's latitude	M's latitude	S's latitude	Q's latitude	U's latitude
1	5 30	6 30	2 0	14 15	2 28	1 19	0 57	1 27	2 35
7	5 21	6 39	1 59	13 56	2 30	1 20	1 0	1 19	3 39
13	5 12	6 49	1 58	13 37	2 31	1 22	1 12	1 8	3 23
19	5 0	7 0	1 57	13 18	2 32	1 23	1 3	0 55	2 16
25	4 50	7 10	1 56	12 59	2 33	1 24	1 5	0 40	2 58
Days	O's longitude		D's long.	D's latitude	h's long.	M's long.	S's long.	Q's long.	U's long.
1	11 30	43	16 22	4 41	9 10	5 19	2 11	7 49	22 59
2	12 31	34	18 17	5 5	2 14	5 22	27 58	9 4	22 27
3	13 32	24	10 11	9 5	17 3	5 25	28 44	10 11	21 13
4	14 33	13	22 4	5 14	3 10	5 28	29 32	11 32	20 34
5	15 34	1	4 4	4 58	3 8	5 31	0 17	12 46	19 27
6	16 34	49	16 20	4 29	3 5	5 34	1 4	14 0	18 20
7	17 35	35	28 49	3 46	3 2	5 36	1 50	15 14	17 12
8	18 36	20	11 37	2 51	3 0	5 38	2 36	16 28	16 2
9	19 37	4	24 46	1 45	2 57	5 40	3 23	17 42	14 52
10	20 37	47	8 10	0 32	2 54	5 42	4 10	18 56	13 43
11	21 38	29	22 6	0 44	2 51	5 44	4 57	20 10	12 39
A	21 39	9	6 13	2 0	2 48	5 46	5 44	21 24	11 42
13	23 39	47	20 32	3 9	2 45	5 48	6 31	22 38	10 52
14	24 40	24	4 59	4 6	2 42	5 49	7 17	23 52	10 9
15	25 40	57	19 24	4 48	2 30	5 50	8 4	25 6	9 33
16	26 41	32	3 53	5 11	2 36	5 51	8 51	26 19	9 5
17	27 42	3	18 11	5 16	2 33	5 52	9 38	27 33	8 25
18	28 42	32	2 11	5 0	2 29	5 52	10 25	28 47	8 32
19	29 42	59	16 15	4 28	2 25	5 52	11 12	0 0	8 26
20	30 43	24	29 59	3 40	2 27	5 53	11 58	1 14	8 27
21	1 43	47	13 30	2 41	2 18	5 54	12 45	2 27	8 35
22	2 44	8	26 48	1 34	2 14	5 52	13 32	3 40	8 45
23	3 44	27	9 53	0 33	2 10	5 52	14 19	4 54	9 5
24	4 41	44	22 45	0 48	2 6	5 51	15 6	6 7	9 34
25	5 45	0	5 26	1 55	2 2	5 50	15 53	7 20	10 4
A	6 45	14	17 55	2 56	1 58	5 49	16 40	8 34	10 35
27	7 45	25	0 12	3 47	1 54	5 48	17 27	9 47	11 15
28	8 45	36	12 20	4 27	1 50	5 47	18 14	10 32	12 5
29	9 45	44	24 19	4 55	1 46	5 45	19 1	11 18	12 45
Days	U rises	S rises	Q sets	U sets	h's declin.	M's declin.	S's declin.	Q's declin.	U's declin.
1	0 m 18	0 n 58	6 a 56	5 a 47	0 n 58	12 s 4	21 s 45	10 s 0	12 s 21
7	1 a 51	6 47	7 16	rises	1 5	12 9	20 45	7 2	12 1
13	11 28	6 36	7 35	6 m 17	1 13	12 11	19 40	3 58	14 11
19	11 5	6 24	8 53	5 55	1 22	12 11	18 27	0 51	16 1
25	10 42	6 12	8 23	5 49	1 32	12 10	17 8	2 n 18	16 41

The LUNATIONS.

Left quarter the 4th day, at 52 minutes past 3 afternoon.

New Moon the 11th day, at 51 minutes past 10 night.

First quarter the 18th day, at 42 minutes past 1 afternoon.

Full Moon the 26th day, at 21 minutes past 5 morning.

M. Sunday & other D. remark. days	☉ rises	☉ sets	☉'s declin.	☾'s declin.	Drises & sets	☾ South	Clock bef. ☉	
1 David	6 33	5 27	7 32	18 29	11 35	3 m 4	12 39	
2 Chad	6 31	5 29	7 9	22 14	morn	3 48	12 26	
3	6 29	5 31	6 47	25 4	0 47	4 36	12 13	
4 3 Sun. in Lent	6 27	5 33	6 23	28 48	1 55	5 26	12 0	
5	6 25	5 35	6 0	27 18	2 58	6 18	11 46	
6	6 23	5 37	5 37	26 27	3 45	7 11	11 32	
7 Perpetua	6 21	5 39	5 14	24 12	4 24	8 5	11 18	
8	6 19	5 41	4 50	20 36	4 54	8 59	11 3	
9	6 17	5 43	4 27	15 49	5 16	9 51	10 48	
10	6 15	5 45	4 4	10 3	5 33	10 42	10 32	
11 4 or Midl. Sund. Gregory	6 13	5 47	3 40	3 37	sets	11 32	10 16	
12	6 11	5 49	3 16	3 28	6 25	0 23	10 0	
13	6 9	5 51	2 53	9 46	8 30	1 15	9 43	
14	6 7	5 53	2 29	15 51	10 1	2 9	9 26	
15	6 5	5 55	2 5	20 58	11 32	3 6	9 9	
16	6 3	5 57	1 42	24 43	morn	4 6	8 52	
17 St. Patrick	6 1	5 59	1 18	26 49	0 56	5 8	8 34	
18 5 Sun. in Lent	5 59	5 1	0 54	27 10	2 7	6 9	8 17	
19 [Ed. K.W.S.]	5 57	6 3	0 31	25 51	3 4	7 7	7 59	
20	5 55	6 5	0 7	23 5	3 42	8 1	7 40	
21 Benedict	5 53	6 7	0 17	19 11	4 7	8 51	7 22	
22	5 51	6 9	0 40	14 28	4 28	9 38	7 4	
23 Cam. Term ends	5 49	6 11	1 4	9 14	4 45	10 24	6 45	
24 Oxf. Term ends	5 47	6 13	1 28	3 42	4 58	11 3	6 27	
25 Palm S. Lady D	5 45	6 15	1 51	1 52	5 11	11 44	6 8	
26	5 43	6 17	2 15	7 20	Drises	morn	5 49	
27	5 41	6 19	2 38	12 28	8 16	0 25	5 30	
28	5 38	6 21	3 2	17 6	9 27	1 8	5 12	
29 Maundy Thurs.	5 36	6 23	3 25	21 4	10 38	1 52	4 53	
30 Good Friday	5 34	6 24	3 48	24 9	11 49	2 38	4 34	
31	5 32	6 26	4 12	26 13	morn	3 27	4 16	
Day increas.	Length of day	Helioc. long. h	Helioc. long. l	Helioc. long. s	Helioc. long. e	Helioc. long. w	Helioc. long. n	Drises
1 3 11	10 55	29 33	27 28	8 5	4 10	11 18	15 51	7 2 7
7 3 35	11 29	29 45	27 36	8 48	16 46	10 5	2 49	6 42
3 3 39	12 43	29 57	27 18	3 12	34 22	45 20	38 10	6 18
9 4 33	12 7	30 10	28 30	16 21	28 43	0 20	6 5	5 53
5 4 27	12 31	0 22	28 57	20 8	4 39	10 1	23 5	5 29

1864.

March.

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Days	Day lig. begins	Day lig. ends	Durat. twilig.	Pl. D's node	h's latitude	u's latitude	δ's latitude	♀'s latitude	♂'s latitude
1	4 43	7 17	1 55	12 43	2 n 34	1 n 25	1 s 6	0 s 26	0 n
7	4 30	7 30	1 56	12 24	2 35	1 n 26	1 7	0 s 8	0 s 5
19	4 17	7 43	1 57	12 5	2 36	1 n 27	1 8	0 n 12	1 4
13	4 4	7 56	1 58	11 46	2 36	1 n 28	1 9	0 32	2
25	3 50	8 10	2 0	11 27	2 36	1 n 29	1 9	0 53	2 2
Days	☉'s longitude		D's long.	D's latitude	h's long.	u's long.	δ's long.	♀'s long.	♂'s long.
1	10 45	51	6 m 14	5 s 10	1 n 41	5 m 43	19 n 48	13 n 26	13 m 30
2	11 45	57	18 5	5 12	1 37	5 41	20 34	14 39	14 3
3	12 46	1	29 59	5 1	1 33	5 39	21 22	15 52	15 45
4	13 46	3	11 59	4 46	1 28	5 37	22 9	17 4	16 20
5	14 46	4	24 10	3 58	1 24	5 35	22 06	18 17	17 31
6	15 46	3	0 36	3 9	1 20	5 32	23 43	19 30	18 31
7	16 46	1	19 22	2 9	1 15	5 27	24 50	20 42	19 42
8	17 45	57	2 32	1 1	1 11	5 26	25 17	21 55	20 54
9	18 45	51	16 8	0 n 13	1 6	5 22	26 4	23 7	22 12
10	19 45	43	0 10	1 28	1 2	5 19	26 51	24 19	23 16
11	20 45	34	14 35	2 40	0 57	5 15	27 38	25 31	24 31
12	21 45	22	29 19	3 42	0 53	5 12	28 25	26 43	25 48
13	22 45	9	14 13	4 30	0 48	5 8	29 12	27 55	27 16
14	23 44	53	29 9	5 0	0 44	5 4	29 59	29 7	28 26
15	24 44	35	13 59	5 0	0 39	4 59	0 46	0 19	0 46
16	25 44	15	28 35	4 59	0 34	4 55	1 34	1 30	1 41
17	26 43	53	12 52	4 29	0 30	4 50	2 11	2 42	2 36
18	27 43	28	26 49	3 44	0 25	4 46	3 8	3 54	4 2
19	28 43	0	10 25	2 48	0 20	4 41	3 55	5 5	5 30
20	29 42	30	23 41	1 43	0 16	4 36	4 42	6 17	6 59
21	30 41	59	6 11	0 35	0 11	4 30	5 29	7 28	8 35
22	1 41	24	19 26	0 34	0 6	4 25	6 16	8 39	10 1
23	2 40	48	1 59	1 40	0 1	4 19	7 3	9 50	11 35
24	3 40	9	14 22	2 40	0 2 56	4 12	7 56	11 11	13 10
25	4 39	28	26 36	3 30	29 51	4 8	8 5	12 12	14 45
26	5 38	44	8 43	4 13	29 47	4 2	9 23	13 23	16 24
27	6 37	59	20 44	4 47	29 42	3 56	10 10	14 33	18 3
28	7 37	11	2 40	5 0	29 38	3 50	10 37	15 44	19 48
29	8 36	22	14 33	5 4	29 33	3 40	11 44	16 54	21 25
30	9 35	31	26 24	4 55	29 29	3 38	12 31	18 5	23 8
31	10 34	39	8 18	4 14	29 24	3 32	13 8	19 16	24 52
Days	☉'s rises	☉'s rises	☉'s sets	☉'s rises	h's declin.	u's declin.	δ's declin.	♀'s declin.	♂'s declin.
1	10 4 23	6 m 2	8 a 29	5 m 41	1 n 41	12 s 6	15 s 36	4 n 54	16 s 48
7	9 50	5 50	8 4	5 39	1 33	12 0	14 26	7 58	15 47
13	9 46	5 37	9 12	5 31	1 24	11 42	12 5	10 58	14 48
19	9 31	5 24	9 30	5 35	1 15	11 42	11 1	11 44	13 30

April hath xxx Days.

White.

The LUNATIONS.

Last quarter the 3d day, at 24 minutes past 9 morning.
 New Moon the 10th day, at 16 minutes past 8 morning.
 First quarter the 16th day, at 35 minutes past 11 night.
 Full Moon the 24th day, at 2 minutes past 10 night.

Days & other remark. days	☉ rises	☉ sets	☉'s declin.	☽'s declin.	☽ rises & sets	☽ South	Clock bef. ☉
After Day	5 32	6 28	4 n 35	27 s 5	0 m 53	4 m 18	3 5
After Monday	5 30	6 30	4 58	26 41	1 46	5 10	3 3
After Tuesday	Richar	6 32	5 21	24 57	2 32	6 3	3 21
mbrose	5 26	6 34	5 44	21 56	3 1	6 55	3 3
	5 24	6 36	6 17	17 44	3 25	7 4	2 4
is Lady Day	5 22	6 38	6 29	12 30	3 44	8 36	2 2
	5 20	6 40	6 52	6 28	4 1	9 26	2 10
ow Sunday	5 18	6 42	7 14	0 n 5	4 17	10 16	1 53
	5 16	6 44	7 37	6 48	4 32	11 7	1 30
	5 14	6 46	7 59	13 14	(sets	0 a 1	1 2
x, & Ca. T. b.	5 12	6 48	8 21	18 54	9 a 8	0 59	1 3
	5 10	6 50	8 43	23 19	10 39	2 0	0 4
	5 8	6 52	9 5	26 6	11 59	3 3	0 52
	5 6	6 54	9 26	27 2	morn	4 7	0 16
Su. aft. Easter	5 5	6 55	9 48	26 9	1 3	5 8	0 1
	5 3	6 57	10 9	23 41	1 48	6 5	0 a 14
	5 1	6 59	10 30	20 1	2 19	6 57	0 28
ft. Term be.	4 59	7 1	10 51	15 27	2 41	7 44	0 42
phge	4 57	7 3	11 12	10 21	2 59	8 28	0 56
	4 55	7 5	11 33	4 56	3 12	9 10	1 9
	4 53	7 7	11 53	0 35	3 25	9 51	1 22
Sun. aft. Ea	4 51	7 9	12 13	6 0	3 38	10 32	1 35
L. George	4 50	7 10	12 33	11 10	3 51	11 13	1 47
[Mary born	4 48	7 12	12 53	15 54	(rises	11 57	1 59
t. Mark: Pre	4 46	7 14	13 13	20 0	8 a 35	morn	2 10
	4 44	7 16	13 32	23 18	9 44	0 42	2 20
	4 42	7 18	13 52	25 37	10 50	1 30	2 31
	4 40	7 20	14 11	26 47	11 46	2 20	2 40
S. af. Easter	4 39	7 21	14 29	26 42	morn	3 12	2 49
	4 37	7 23	14 48	25 19	0 33	4 4	2 58
Day creaf.	Length of day	Helioc. long. 1	Helioc. long. 2	Helioc. long. 3	Helioc. long. 4	Helioc. long. 5	Helioc. long. 6
5 15 12 56	0 23 36	29 22 29	24 34	11 34	21 23	17 16	5 m 38
5 39 13 23	0 48	29 57 28	22 17	28 19	8 10	4 5	5 16
5 1 13 45	1 1	0 11 44	23 21	10 53	8 48	4 51	4 30
5 23 14 7	1 12	0 51	5 59	12 20	38 12	8 9	4 30
5 45 14 29	1 24	1 19	9 48	5 m 12	0 12 19	14 4	7

1804.

March.

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Days	Day lig. begins	Day lig. ends	Durat. twilig.	Pl. D's node	H's latitude	U's latitude	S's latitude	Q's latitude	R's latitude
1	4 43	7 17	1 55	12 43	2 34	1 25	1 6	0 26	0 1
7	4 30	7 30	1 56	12 24	2 35	1 26	1 7	0 28	0 57
19	4 17	7 43	1 57	12 5	2 36	1 27	1 8	0 12	1 40
13	4 4	7 56	1 58	11 46	2 36	1 28	1 9	0 32	2 8
25	3 50	8 10	2 0	11 27	2 36	1 29	1 9	0 53	2 21
Days	O's longitude		D's long.	D's latitude	H's long.	U's long.	S's long.	Q's long.	R's long.
1	10 45	51	6 14	5 10	1 41	3 43	19 48	13 26	13 39
2	11 45	57	18 5	5 12	1 37	5 41	20 35	14 39	14 32
3	12 46	1	29 59	5 1	1 33	5 39	21 22	15 52	15 25
4	13 46	3	11 59	4 46	1 28	5 37	22 9	17 4	16 29
5	14 46	4	24 10	3 58	1 24	5 35	22 6	18 17	17 31
6	15 46	3	0 36	3 9	1 20	5 32	23 43	19 30	18 35
7	16 46	1	19 23	2 9	1 15	5 27	24 50	20 42	19 42
8	17 45	57	2 32	1 1	1 11	5 26	25 17	21 55	20 54
9	18 45	51	16 8	0 13	1 6	5 22	26 4	23 7	22 12
10	19 45	43	0 10	1 28	1 2	5 19	26 51	24 19	23 16
11	20 45	34	14 35	2 40	0 57	5 15	27 38	25 31	24 31
12	21 45	23	29 19	3 42	0 53	5 12	28 25	26 43	25 48
13	22 45	9	14 13	4 30	0 48	5 8	29 12	27 55	27 16
14	23 44	53	29 9	5 0	0 44	5 4	29 59	29 7	28 26
15	24 44	35	13 59	5 0	0 39	4 59	30 46	30 19	29 48
16	25 44	15	28 35	4 59	0 34	4 55	31 34	31 30	30 11
17	26 43	53	12 52	4 29	0 30	4 50	32 21	32 42	31 36
18	27 43	28	26 49	3 44	0 25	4 46	3 8	33 54	32 4
19	28 43	0	10 25	2 48	0 20	4 41	3 55	35 5	33 30
20	29 42	30	23 41	1 43	0 16	4 36	4 42	36 17	34 59
21	0 41	59	6 11	0 35	0 11	4 30	5 29	37 28	36 39
22	1 41	24	19 26	0 34	0 6	4 25	6 16	38 39	37 5
23	2 40	48	1 59	1 40	0 1	4 19	7 3	39 50	38 35
24	3 40	9	14 22	2 40	0 56	4 12	7 56	40 11	39 19
25	4 39	28	26 36	3 39	1 51	4 8	8 47	41 12	40 46
26	5 38	44	8 43	4 13	2 47	4 2	9 43	42 23	41 24
27	6 37	59	20 44	4 47	3 42	3 56	10 10	43 33	42 3
28	7 37	11	2 14	5 0	2 38	3 50	10 57	44 44	43 19
29	8 36	22	14 33	5 4	2 33	3 40	11 44	45 54	44 25
30	9 35	31	26 24	4 55	2 29	3 38	12 31	46 5	45 8
31	10 34	39	8 18	4 14	2 24	3 32	13 18	47 16	46 52
Days	U's rises	S's rises	Q's rises	R's rises	H's declin.	U's declin.	S's declin.	Q's declin.	R's declin.
1	10 45	6 12	8 29	5 41	1 21	12 6	15 36	4 54	16 44
7	9 59	5 50	8 4	5 39	1 33	11 04	14 26	7 58	15 40
13	9 46	5 37	9 16	5 38	2 4	11 12	13 5	10 56	14 4
19	9 22	5 24	9 30	5 35	2 15	11 42	11 13	11 44	13 36
25	8 46	5 11	9 52	5 3	2 27	11 19	10 26	12 18	12 10

The LUNATIONS.

Last quarter the 1d day, at 7 minutes past 11 night.

New Moon the 9th day, at 2 minutes past 4 afternoon.

First quarter the 16th day, at 19 minutes past 11 morning.

Full Moon the 24th day, at 51 minutes past 1 afternoon.

Sundays & other remark. days.	☉ rises	☉ sets	☉'s declin.	☿'s declin.	♂ rises & sets	♂ South	Clock aft. ☉
1 St. Phil. & Jam.	4 35	7 25	15 n 6	22 s 43	1 m 7	4 m 55	3 6
2	4 34	7 26	15 24	18 59	2 33	5 45	3 13
3 Inv. of Cross	4 32	7 28	15 42	14 12	1 54	6 34	3 20
4	4 30	7 30	15 59	8 38	2 11	7 22	3 26
5 [John Ev. APL.	4 28	7 32	16 16	2 28	2 26	8 9	3 32
6 5 or Roga. Sun.	4 27	7 33	16 33	4 n 1	2 40	8 58	3 37
7 Ds. of York b.	4 25	7 35	16 50	10 28	2 56	9 49	3 42
8	4 23	7 37	17 7	16 26	3 23	10 44	3 46
9	4 22	7 38	17 23	21 27	3 47	11 44	3 49
10 Ascen. Holy Th.	4 20	7 40	17 39	25 0	4 35	0 47	3 52
11	4 19	7 41	17 54	26 42	10 48	1 52	3 54
12 [Old May Day	4 17	7 43	18 9	26 28	11 43	2 56	3 56
13 Sun. aft. Ascen.	4 16	7 44	18 24	24 28	morn	3 57	3 57
14 Easter Term c.	4 14	7 46	18 39	21 2	0 10	4 52	3 58
15	4 13	7 47	18 53	16 35	0 48	5 143	3 58
16 [Ox. T. c.	4 11	7 49	19 7	11 31	1 6	6 129	3 57
17 Pres. of Wales b.	4 10	7 50	19 21	6 6	1 24	7 12	3 56
18	4 8	7 52	19 34	0 35	1 36	7 53	3 54
19 Qu. Charlotte b.	Dunst.	7 52	19 47	4 51	1 49	8 22	3 52
20 Whit Sunday	4 6	7 54	20 0	10 3	2 2	9 14	3 49
21 Whit Monday	4 4	7 56	20 12	14 51	2 14	9 57	3 46
22 W. Tu: Pres. E. b.	4 3	7 57	20 24	19 5	2 30	10 41	3 42
23 Ember Week	4 2	7 58	20 36	22 23	2 48	11 28	3 38
24 Cam. T. div. n.	4 0	8 0	20 47	25 5	3 15	morn	3 33
25	3 59	8 1	20 58	26 38	4 18	0 17	3 28
26 Augustin	3 58	8 2	21 0	26 42	10 33	1 9	3 22
27 Trinity Sunday	3 57	8 3	21 19	25 36	11 7	2 0	3 16
28 [Vene. Bede	3 56	8 4	21 20	23 14	11 35	2 51	3 9
29 .. Char. 2 rest	3 55	8 5	21 38	19 45	11 58	3 41	3 2
30 Oxf. T. begins	3 54	8 6	21 47	15 27	morn	4 30	2 54
31 Corpus Christi	3 53	8 7	21 56	10 1	0 16	5 17	2 46
Day increas.	Length of day	Helioc. long. ♀	Helioc. long. ♀	Helioc. long. ♂	Helioc. long. ☉	Helioc. long. ♀	H sets
1 7 7	14 51	1 37	1 m 46	1 36	16 m 52	10 m 9	1 43
2 7 27	15 11	1 49	2 13	17 23	16 40	19 53	2 20
3 7 45	15 27	2 1	2 41	21 10	22 27	29 37	2 56
4 8 1	15 47	2 22	3 2	24 56	28 14	30 17	3 32
5 8 19	16 3	2 25	3 35	28 41	4 10	19 0	3 58

M. D	Day lig. begins	Daylig. ends	Durat. twilig.	Pl. C's node	H's latitud.	M's latitud.	S's latitud.	Q's latitud.	P's latitud.
1	2 6	9 5	2 37	7 29	2 34	1 29	1 8	2 49	1 52
7	1 44	10 19	2 48	9 10	2 32	1 29	1 4	2 4	2 24
13	1 19	10 45	3 5	8 51	2 31	1 28	1 2	2 54	2 25
19	0 48	11 20	3 32	8 32	2 30	1 27	1 0	2 54	1 52
25	All day light.			8 13	2 29	1 25	0 58	2 4	0 45
M. D	C's longitude		C's long.	C's latitud.	H's longit.	M's longit.	S's longit.	Q's longit.	P's long.
1	8 10	51 33	23 39	1 20	27 25	29 41	7 15	11 27	26 8
2	11 49	40 6	0 14	27 22	29 36	8 16	25 32	28 32	
3	12 47	46 19	0 54	27 20	29 28	8 52	26 37	0 11	16
4	13 45	50 2	2 27	27 19	29 21	9 38	27 41	1 56	
5	14 43	53 16	3 17	27 15	29 15	10 24	28 46	3 33	
G	15 41	55 0	3 58	27 13	29 6	11 10	29 51	5 7	
7	16 39	55 15	4 37	27 11	28 59	11 56	0 55	6 38	
8	17 37	54 0	4 58	27 9	28 53	12 42	1 59	8 7	
9	18 35	52 16	4 57	27 7	28 47	13 28	3 2	9 28	
10	19 33	48 11	4 57	27 5	28 40	14 14	4 6	10 46	
11	20 31	42 16	3 56	27 3	28 33	15 0	5 9	12 0	
12	21 29	35 10	3 17	27 1	28 26	15 46	6 12	13 11	
G	22 27	27 15	1 55	26 5	28 19	16 31	7 15	14 18	
14	23 25	16 29	0 45	26 58	28 13	17 17	8 17	15 21	
15	24 23	4 12	0 26	26 56	28 6	18 2	9 18	16 29	
16	25 20	50 25	1 33	26 5	28 0	18 48	10 20	17 13	
17	26 18	34 8	2 34	26 5	27 54	19 33	11 21	18 3	
18	27 16	17 20	3 26	26 52	27 48	20 18	12 22	18 49	
19	28 13	5 2	4 8	26 51	27 42	21 3	13 23	19 30	
G	29 11	37 14	4 37	26 50	27 36	21 49	14 23	20 6	
21	11 0	9 15	4 57	26 49	27 31	22 34	15 22	20 38	
22	1 6	52 8	5 26	26 47	27 25	23 19	16 21	21 5	
23	2 4	26 20	4 54	26 45	27 20	24 4	17 20	21 27	
24	3 2	0 2	4 34	26 43	27 15	24 49	18 10	21 46	
25	3 59	33 14	4 1	26 42	27 10	25 34	19 15	21 58	
26	4 57	4 26	3 17	26 40	27 6	26 19	20 16	22 7	
G	5 54	35 8	2 24	26 40	27 1	27 4	21 13	22 11	
28	6 52	5 20	1 23	26 45	26 57	27 49	22 10	22 9	
29	7 49	34 3	0 17	26 45	26 52	28 34	23 6	22 3	
30	8 47	2 15	0 51	26 45	26 48	29 19	24 2	21 53	
31	9 44	30 28	1 58	26 44	26 44	0 8	24 57	21 40	
M. D	M's fets	S's rises	Q's fets	P's fets	H's declin.	M's declin.	S's declin.	Q's declin.	P's declin.
1	4 m 33	3 m 44	11 a 38	9 a 4	3 11 27	9 s 59	1 n 54	26 n 1	21 n 16
7	4 9	3 27	11 46	9 40	3 27	9 45	3 44	26 17	23 48
13	3 44	3 10	11 50	9 50	3 30	9 51	5 32	26 1	24 54
19	3 19	2 5	11 50	9 58	3 32	9 11	7 18	25 41	24 54
25	2 54	2 38	11 40	9 38	3 33	9 0	0 24	25 42	23 51

The LUNATIONS.

East quarter the 1st day, at 55 minutes past 8 morning.

New Moon the 7th day, at 7 minutes past 11 night.

First quarter the 15th day, at 2 minutes past 1 morn.

Full Moon the 23d day, at 22 minutes past 6 morning.

Last quarter the 30th day, at 34 minutes past 3 afternoon.

M D	Sundays & other remark. days.	☉ rises	☉ sets	☉'s declin.	☿'s declin.	☿ rises & sets	☿ South	Clock aft. ☉	
1	Nicomede: Tr.	3 52	8 8	22 n 4	4 s 10	☉ m 30	6 m 3	2 37	
2	[T. begins 1 Sun. af. Trin.	3 51	8 9	22 12	2 n 1	☉ 44	6 49	2 28	
3	K. Geo. 3 born	3 50	8 10	22 20	8 17	☉ 59	7 37	2 19	
4	Duke of Cumbe	3 49	8 11	22 27	14 16	☉ 16	8 29	2 9	
5	Bonifa.	3 48	8 12	22 34	19 34	☉ 36	9 24	1 57	
6		3 48	8 12	22 40	23 41	☉ 4	10 24	1 48	
7		3 47	8 13	22 46	26 9	☿ sets	11 28	1 37	
8		3 47	8 13	22 52	26 44	☿ 25	☉ 33	1 26	
9	2 Sun. af. Trin.	3 46	8 14	22 57	25 22	☉ 12	1 37	1 14	
10	St. Barnabas	3 46	8 14	23 2	22 22	☉ 42	2 36	1 3	
11		3 45	8 15	23 6	18 8	☉ 7	3 30	0 51	
12		3 45	8 15	23 10	13 6	☉ 24	4 19	0 38	
13		3 44	8 16	23 14	7 38	☉ 38	5 4	0 26	
14		3 44	8 16	23 17	2 12	☉ 50	5 46	0 14	
15		3 44	8 16	23 20	3 s 32	morn	6 27	0 1	
16	3 Sun. af. Trin.	3 43	8 17	23 22	8 51	☉ 2	7 8	☉ b. 12	
17	[St. Alban	3 43	8 17	23 24	13 46	☉ 16	7 50	0 24	
18		3 43	8 17	23 26	18 9	☉ 31	8 34	0 37	
19		3 43	8 17	23 27	21 49	☉ 49	9 20	0 50	
20	Tri. T. e: Tr. Ed.	3 43	8 17	23 28	24 35	☉ 12	10 8	1 3	
21	Longest Day	3 43	8 17	23 28	26 17	☉ 43	10 59	1 16	
22		3 43	8 17	23 28	26 46	☉ 25	11 51	1 29	
23	4 Sun. af. Trin.	3 43	8 17	23 27	25 57	☿ rises	morn	1 41	
24	[Na. St. J. Bap.	Midf. d.	8 17	23 26	23 50	☉ 35	☉ 42	1 54	
25		3 43	8 17	23 25	20 33	☉ 58	1 33	2 7	
26		3 44	8 16	23 23	16 14	☉ 17	2 22	2 19	
27		3 44	8 16	23 21	11 7	☉ 33	3 10	2 32	
28		3 44	8 16	23 18	5 24	☉ 46	3 56	2 44	
29	St. Peter	3 45	8 15	23 15	0 n 39	☉ 11	4 41	2 56	
30		3 45	8 15	23 12	6 47	☉ 15	5 28	3 8	
M D	Day increas.	Length of day	Helio. long. ♀	Helio. long. ♀	Helio. long. ♂	Helio. long. ☉	Helio. long. ♀	Helio. long. ♂	☿ sets
1	8 32	16 7	22 39	4 m 7	3 n 36	10 f 42	☉ m 16	27 m 19	1 m 36
7	8 42	16 26	2 51	4 35	6 45	16 26	9 54	23 f 54	2 15
13	8 46	16 30	3 3	5 2	10 26	22 11	19 29	☉ 30	0 51
19	8 50	16 34	3 15	5 30	14 6	27 54	20 4	17 54	0 25
25	☉ dec.	16 3	3 28	5 57	17 44	3 n 37	8 f 36	6 m 55	0 1

1804.

June.

19

M	Daylig. begins	Daylig. ends	Durat. twilig.	Pl. P's node	h's latitude	h's latitude	δ's latitude	♀'s latitude	♂'s latitude
1				7 ^m 51	2 27	1 24	0 55	2 36	1 5 6
7				7 32	2 26	1 22	0 53	2 18	2 47
13	All	day	light.	7 13	2 24	1 21	0 48	1 52	4 1
19				6 54	2 23	1 19	0 45	1 18	4 28
25				6 35	2 22	1 17	0 41	0 34	4 49
M	☉'s longitude	☌'s long.	☌'s latitude	h's long.	h's long.	δ's long.	♀'s long.	♂'s long.	
1	119 41 57	12 36 19	3 0	26 46	26 49	0 8 48	2 52	2 11 23	
7	11 39 24	26 5	3 54	26 47	26 37	1 33 26	47 21	4	
13	12 36 50	10 15	4 36	26 47	26 33	2 11 27	41 20	40	
19	13 34 15	24 49	5 0	26 48	26 30	3 2 28	34 20	10	
25	14 31 40	9 42	5 6	26 48	26 26	3 46 29	26 19	39	
1	15 29 4	24 47	4 50	26 49	26 23	4 31 08	18 19	8	
7	16 26 27	9 15	4 15	26 50	26 19	5 15 1	9 18	36	
13	17 23 50	24 55	3 23	26 51	26 17	5 59 1	59 18	3	
19	18 21 12	9 38	2 16	26 52	26 15	6 43 2	49 17	29	
25	19 18 34	23 59	1 3	26 53	26 13	7 27 3	38 16	54	
1	20 15 54	7 52	0 8 12	26 54	26 10	8 11 4	27 16	21	
7	21 13 13	21 18	1 23	26 55	26 8	8 55 5	15 15	51	
13	22 10 52	4 19	2 29	26 57	26 6	9 39 6	2 15	24	
19	23 7 49	16 57	3 25	26 58	26 4	10 23 6	48 14	59	
25	24 5 6	29 27	4 10	27 0	26 3	11 7 7	33 14	36	
1	25 2 32	11 24	4 43	27 1	26 2	11 51 8	17 14	11	
7	25 59 37	23 22	5 3	27 4	26 1	12 35 9	0 13	58	
13	26 56 51	5 5	5 10	27 6	26 0	13 19 9	42 13	46	
19	27 54 6	17 7	5 4	27 8	25 59	14 2 10	24 13	38	
25	28 51 18	29 1	4 41	27 10	25 58	14 46 11	4 13	34	
1	29 48 30	11 9	4 12	27 12	25 58	15 29 11	43 13	31	
7	29 45 42	23 6	3 29	27 14	25 58	16 14 12	21 13	42	
13	1 42 53	5 19	2 35	27 17	25 58	16 56 12	58 13	51	
19	2 40 5	17 42	1 33	27 19	25 58	17 39 13	34 14	5	
25	3 37 16	0 15	0 26	27 22	25 58	18 22 14	8 14	2	
1	4 34 27	13 0	0 43	27 24	26 59	19 5 14	41 14	51	
7	5 31 38	25 58	1 52	27 27	26 0	19 48 15	13 15	2	
13	6 28 50	9 12	2 56	27 30	26 1	20 31 15	43 15	2	
19	7 26 1	22 41	3 52	27 33	26 2	21 14 16	12 16	3	
25	8 23 13	6 27	4 36	27 36	26 3	21 57 16	39 17	1	
M	☌'s sets	♂'s rises	♀'s sets	♂'s sets	h's declin.	h's declin.	δ's declin.	♀'s declin.	♂'s declin.
1	2 m 25	2 m 19	11 a 35	8 a 53	3 32	9 3	10 55	33 36	22 1
7	1 52	2 41	11 23	8 5	3 29	8 54	12 28	22 10	20 1
13	1 34	1 47	11 9	rises	3 25	8 50	13 57	20 36	18 4
19	1 4	1 29	10 48	3 m 20	3 20	8 40	15 21	20 54	18
25	1 43	1 18	10 26	2 56	3 13	8 51	16 39	21 9	18

The LUNATIONS.

New Moon the 7th day, at 44 minutes past 6 morning.
 First quarter the 14th day, at 28 minutes past 4 afternoon.
 Full Moon the 22d day, at 25 minutes past 5 afternoon.
 Last quarter the 29th day, at 27 minutes past 8 night.

M D	Sundays & other remark. days	☉ rises	☉ sets	☾ declin.	☾ declin.	☾ rises	☾ sets	☾ South	Clock bef. ☉
1	Sun. aft. Tri.	3 46	8 14	23 n 8	12 n 43	11 a 34	6 m 16	3 20	
2	Visita. of V. M.	3 46	8 14	23 4	18 4	11 58	7 8	3 31	
3	Cath. Commem.	Dogd. b	8 13	22 59	22 28	morn	8 4	3 43	
4	Transf. St. Mar.	3 48	8 12	22 54	25 29	0 28	9 4	3 54	
5		3 48	8 12	22 49	26 46	1 14	10 8	4 4	
6	Camb. T. ends	3 49	8 11	22 43	26 9	2 20	11 12	4 15	
7	Tho. à Becket	3 50	8 10	22 37	23 46	☾ sets	0 a 14	4 25	
8	Sun. aft. Tri.	3 50	8 10	22 30	19 56	9 a 4	1 11	4 34	
9	Oxford A&T	3 51	8 9	22 23	15 5	9 22	2 3	4 44	
10		3 52	8 8	22 16	9 38	9 36	2 51	4 53	
11		3 53	8 7	22 8	3 55	9 49	3 35	5 1	
12		3 54	8 6	22 0	1 s 48	10 3	4 17	5 9	
13		3 55	8 5	21 51	7 17	10 17	4 59	5 16	
14	Oxford Tr. c.	3 56	8 4	21 42	12 24	10 31	5 41	5 23	
15	Sun. aft. Trin	3 57	8 3	21 33	17 0	10 48	6 24	5 30	
16	[Swithin	3 58	8 2	21 24	20 53	11 9	7 9	5 36	
17		4 0	8 0	21 14	23 56	11 37	7 57	5 41	
18		4 1	7 59	21 3	25 57	morn	8 47	5 46	
19		4 2	7 58	20 52	26 48	0 14	9 39	5 51	
20	Margaret	4 3	7 57	20 41	26 21	1 6	10 31	5 54	
21		4 4	7 56	20 30	24 35	1 59	11 23	5 58	
22	Sun. aft. Trin	4 6	7 54	20 18	21 34	☾ rises	morn	6 0	
23	[Magdalen	4 7	7 53	20 6	17 27	8 a 23	0 14	6 2	
24		4 9	7 51	19 54	12 26	8 36	1 3	6 4	
25	St. James	4 10	7 50	19 41	6 46	8 51	1 50	6 5	
26	St. Anne	4 11	7 49	19 28	0 42	9 6	2 36	6 5	
27		4 12	7 47	19 14	5 n 28	9 21	3 23	6 5	
28		4 14	7 46	19 1	11 27	9 38	4 11	6 4	
29	Sun. aft. Trin	4 16	7 44	18 47	16 55	10 0	5 1	6 3	
30		4 17	7 43	18 32	21 30	10 29	5 55	6 1	
31		4 18	7 41	18 18	24 50	11 5	6 53	5 58	
M D	Day decreas.	Length of day	Helioc. long. ♀	Helioc. long. ♀	Helioc. long. ♂	Helioc. long. ☉	Helioc. long. ♀	Helioc. long. ♀	☾ sets
1	0 4	16 32	3 23	39 6	24 21	20 9	18 2	28 38	11 a 33
7	0 12	16 22	3 51	6 52	24 54	15 4	27 38	24 17	11 8
13	0 24	16 10	4 4	7 19	28 27	20 47	7 8	25 9	10 44
19	0 38	15 56	4 16	7 47	1 8	57 26	31 16	37 0	11 44
25	0 54	15 40	4 28	8 24	5 26	2 14	26 6	8 26	9 57

1804.

July.

24

M D	Daylig. begins	Daylig. ends	Durat. twilig.	Pl. D's node	H's latitude	U's latitude	S's latitude	Q's latitude	P's latitude
1				6 ^m 16	2 n 20	1 n 16	0 s 37	0 s 19	3 s 16
7	All	day	light.	5 56	2 19	1 14	0 33	1 24	2 4
13				5 37	2 18	1 12	0 29	2 38	0 45
19				5 18	2 17	1 11	0 24	4 0	0 n 27
25	0 45	11 7	3 20	4 59	2 16	1 9	0 20	5 22	1 20
M D	☉'s longitude	☾'s long.	D's latitude	H's long.	U's long.	S's long.	Q's long.	P's long.	
G	23 9 20 25	20 31	5 n 4	27 39	26 4	22 39	17 5	18 11	
2	10 17 38	4 51	5 14	27 42	26 6	23 22	17 29	18 38	
3	11 14 50	19 25	5 4	27 46	26 8	24 5	17 51	19 55	
4	12 12 3	4 11 7	4 35	27 49	26 10	24 47	18 11	21 3	
5	13 9 17	18 52	3 47	27 53	26 12	25 40	18 30	22 8	
6	14 6 31	3 50 32	2 44	27 56	26 14	26 13	18 47	23 18	
7	15 3 45	18 0	1 32	28 0	26 16	26 55	19 24	24 31	
G	16 0 59	2 11	0 15	28 4	26 19	27 37	19 15	25 49	
9	16 58 13	16 0	1 s 1	28 8	26 22	28 19	19 26	27 12	
10	17 55 28	29 26	2 12	28 12	26 25	29 1	19 35	28 39	
11	18 52 42	13 11 28	3 13	28 16	26 28	29 43	19 41	29 16	
12	19 49 56	25 9	4 3	28 20	26 31	0 11 25	19 45	30 45	
13	20 47 11	7 32	4 41	28 24	26 35	1 7	19 47	3 24	
14	21 44 25	19 41	5 5	28 28	26 39	2 49	19 48	5 6	
G	22 42 40	2 11 40	5 16	28 33	26 43	3 31	19 46	6 51	
16	23 38 55	13 34	5 13	28 37	26 47	3 12	19 41	8 40	
17	24 36 9	25 27	4 56	28 42	26 51	3 54	19 34	10 32	
18	25 33 24	7 23	4 27	28 46	26 55	4 36	19 24	12 27	
19	26 30 39	19 27	3 46	28 51	26 59	5 17	19 12	14 24	
20	27 27 55	1 54 40	2 54	28 55	27 4	5 59	18 57	16 21	
21	28 25 11	14 4	1 53	29 0	27 9	6 40	18 46	18 24	
G	29 22 27	26 42	0 45	29 5	27 14	7 21	18 21	20 21	
23	0 19 44	9 35	0 n 26	29 10	27 19	8 2	18 0	22 3	
24	1 17 2	22 41	1 37	29 15	27 24	8 43	17 37	24 31	
25	2 14 20	6 32	2 44	29 20	27 29	9 24	17 11	26 4	
26	3 12 40	19 35	3 43	29 25	27 35	10 5	17 0	28 5	
27	4 9 1	3 21	4 31	29 30	27 41	10 45	16 12	0 51	
28	5 6 23	17 18	5 2	29 35	27 47	11 26	15 41	3	
G	6 3 45	1 12 24	5 16	29 40	27 53	12 6	15 8	5	
30	7 1 10	15 37	5 12	29 46	27 59	12 47	14 34	7 1	
31	7 58 35	29 55	4 47	29 51	28 5	13 27	14 0	9 1	
M D	☉'s rises	☾'s sets	D's rises	H's declin.	U's declin.	S's declin.	Q's declin.	P's declin.	
1	0 m 19	1 m 1	10 a 12	2 m 38	3 n 5	8 s 54	17 n 51	15 n 26	
7	11 a 51	0 47	9 34	2 31	2 55	9 18	57 13	48 23	
13	11 26	0 33	9 3	2 39	2 45	9 8	56 12	48 22	
19	11 3	0 21	8 30	2 54	2 33	9 18	48 11	48 22	

The LUNATIONS.

New Moon the 5th day, at 59 minutes past 3 afternoon.

First quarter the 13th day, at 37 minutes past 9 morning.

Full Moon the 21st day, at 3 minutes past 5 morning.

Last quarter the 28th day, at 13 minutes past 1 morning.

M	Sundays & other D remark. days	☉ rises	☉ sets	☉'s declin.	☉'s declin.	☉ rises & sets	☉ South	Clock bef. ☉
1	Lammas Day	4 20	7 40	18 n 3	26 n 36	morn	7 n 54	5 55
2		4 22	7 38	17 47	26 36	0	8 56	5 52
3		4 24	7 36	17 32	24 50	1 10	9 58	5 47
4		4 25	7 35	17 16	21 33	2 20	10 56	5 43
5	10 Sun. af. Tr.	4 27	7 33	17 0	17 4	☉ sets	11 51	5 37
6	Transfiguration	4 29	7 32	16 43	11 49	7 44	0 41	5 31
7	Pr. Ame. born	Na. of J.	7 30	16 27	6 7	7 58	1 27	5 25
8	[Nat. of Jesus	4 32	7 28	16 10	0 19	8 10	2 10	5 17
9		4 34	7 26	15 53	5 21	8 23	2 53	5 10
10	St. Lawrence	4 35	7 25	15 35	10 41	8 37	3 35	5 1
11	QUEEN. Brunt. b.	Do. d. c.	7 23	15 17	15 31	8 54	4 19	4 54
12	11 Su. af. Tr.	4 39	7 21	15 0	19 41	9 13	5 4	4 43
13	[Pr. of W. d.	O. Lam.	7 19	14 41	23 2	9 38	5 50	4 33
14		4 42	7 18	14 23	25 24	10 11	6 40	4 22
15	Assumption	4 44	7 16	14 4	26 38	10 57	7 31	4 11
16	D. of York b.	4 46	7 14	13 45	26 38	11 34	8 43	3 59
17		4 48	7 12	13 26	25 20	morn	9 15	3 46
18		4 50	7 10	13 7	22 45	1 3	10 7	3 34
19	12 Sun. a. Tr.	4 51	7 9	12 48	18 59	2 15	10 58	3 20
20		4 53	7 7	12 28	14 12	3 38	11 47	3 6
21	Duke of Clar. b.	4 55	7 5	12 8	8 37	☉ rises	morn	3 52
22		4 57	7 3	11 48	2 32	7 16	0 35	3 37
23		4 59	7 1	11 28	3 n 46	7 31	1 22	3 22
24	St. Bartholom.	5 4	6 59	11 7	9 56	7 48	2 11	3 6
25		5 2	6 58	10 46	15 38	8 8	3 1	3 50
26	13 Sun. af. Tr.	5 4	6 56	10 26	20 27	8 36	3 55	3 34
27		5 6	6 54	10 5	24 8	9 11	4 52	3 17
28	St. Augustine	5 8	6 52	9 43	26 16	10 1	5 52	3 6
29	J. Bap. behead.	5 10	6 50	9 22	26 42	11 13	6 54	0 42
30		5 12	6 48	9 1	25 26	morn	7 55	0 24
31		5 14	6 46	8 39	22 38	0 26	8 53	0 6
M	Day Length	Helioe.	Helioe.	Helioe.	Helioe.	Helioe.	Helioe.	h
D	decreaf. of day	long. h	long. 1/2	long. 3/4	long. 1	long. 2	long. 3	fers
1	1 11 15 21	4 24	8 m 46	9 27	8 m 56	7 10	18 40	9 21
7	1 31 15 3	4 53	9 14	12 51	14 41	16 39	17 21	9 9
13	1 51 14 43	5 6	9 41	16 13	20 27	26 8	10 44	8 48
19	2 13 14 21	5 18	10 9	19 33	26 13	5 38	om 36	8 26
25	2 35 13 50	5 30	10 36	22 51	28 0	15 9	18 55	8 5

1804

August

23

M D	Day-lig begins	Day-lig ends	Durat. twilig.	Pl. (s) node	h's latitude	u's latitude	δ's latitude	♀'s latitude	♂'s latitude
1	1 23	10 34	2 58	4 37	2 n 15	1 n 8	0 s 14	6 s 45	1 n 45
7	1 47	10 13	2 46	4 18	2 14	1 6	0 s 8	7 30	1 n 40
13	2 9	9 51	2 34	3 59	1 13	1 3	0 s 3	7 48	1 16
19	2 29	9 31	2 25	3 40	2 13	1 4	0 n 2	7 37	0 38
25	2 47	9 13	2 18	3 21	2 12	1 2	0 s 8	7 6	0 s 8
M D	☉'s longitude	☾'s long.	☾'s latitude	h's long.	u's long.	δ's long.	♀'s long.	♂'s long.	
1	Ω 8 56	2 14 11 15	4 n 5	29 m 57	28 11 11	14 11 8	13 11 5	1 11 21	
2	9 53	30 28 33	3 2	0 2	28 17 14	4 12	49 13	24	
3	10 50	59 12 26 46	2 0	0 8	28 24 15	28 12	12 15	25	
4	11 48	29 26 49	0 45	9 14	28 30 16	8 11	34 17	24	
5	12 46	1 10 39	0 s 34	0 20	28 37 15	48 10	57 19	22	
6	13 43	33 24 14	1 45	0 26	28 44 17	28 10	20 21	19	
7	14 41	7 7 23	2 51	0 32	28 51 18	8 9	44 21	16	
8	15 38	42 20 27	3 46	0 38	28 58 18	47 9	9 24	8	
9	16 36	17 3 6	4 29	0 40	29 6 19	27 8	35 27	5	
10	17 33	54 15 29	4 58	0 50	29 14 20	6 8	2 28	52	
11	18 31	31 27 38	5 14	0 56	29 22 20	46 7	29 0 m 42		
12	19 29	9 9 m 38	5 15	1 2	29 30 21	25 6	57 2	30	
13	20 26	49 21 32	5 3	1 8	29 38 22	4 6	26 4	16	
14	21 24	29 3 25	4 37	1 14	29 46 22	43 5	58 6	1	
15	22 22	10 15 22	4 0	1 20	29 54 23	22 5	82 7	49	
16	23 19	52 27 27	3 12	1 26	0 m 3 24	1 5	8 9	28	
17	24 17	35 9 44	2 34	1 33	0 11 24	40 4	47 11	9	
18	25 15	19 22 17	1 9	1 39	0 19 25	19 4	29 12	48	
19	26 13	4 5 8	0 n 2	1 46	0 28 25	58 4	13 14	25	
20	27 10	50 18 49	1 13	1 52	0 37 26	36 4	26 1		
21	28 8	39 13 48	2 23	1 59	0 46 27	15 3	49 17	36	
22	29 6	29 15 35	3 25	2 5	0 55 27	53 3	40 19	10	
23	30 4	20 29 36	4 17	2 12	1 4 28	32 3	31 20	44	
24	1 2	13 13 47	4 53	2 18	1 13 29	10 3	28 22	13	
25	3 0	4 28 4	5 14	2 25	1 23 29	48 3	24 23	43	
26	2 58	5 12 8 22	5 10	4 32	1 32 0 25	25 57	22 25	11	
27	3 56	3 26 39	4 50	2 39	1 42 1 3	3 23	26 38		
28	4 54	4 10 11 50	4 13	2 45	1 51 1 40	2 27	28 3		
29	5 52	6 24 54	3 20	2 53	2 1 2 18	3 34	29 27		
30	6 50	11 8 51	2 16	3 0	2 10 2 55	3 44	30 50		
31	7 48	18 22 37	1 5	3 7	2 20 3 34	3 57	31 11		
M D	☾ sets	☽ rises	☽ sets	☾ sets	h's declin.	u's declin.	δ's declin.	♀'s declin.	♂'s declin.
1	10 a 13	11 a 54	7 a 7	0 a 59	2 n 3	9 s 47	22 18	10 n 19	19 a 5
7	9 52	11 47	rises	8 1	1 52	10 3	22 48	10 25	15 22
13	9 31	11 38	3 m 56	7 56	1 36	10 24	23 10	11 7	11 8
19	9 10	11 21	2 24	7 48	1 20	10 32	23 27	11 49	6 44
25	8 49	11 4	2 51	7 36	1 3	10 59	23 36	12 30	23

The LUNATIONS.

New Moon the 5th day, at 39 minutes past 3 afternoon.

First quarter the 13th day, at 37 minutes past 9 morning.

Full Moon the 21st day, at 3 minutes past 5 morning.

Last quarter the 28th day, at 13 minutes past 1 morning.

Sundays & other remark. days	☉ rises	☉ sets	☉'e declin.	☉'s declin.	☉ rises & sets	☉ South	Clock bef. ☉
1 Lammas Day	4 20	7 40	18 n 3	26 n 36	morn	7 m 54	5 55
2	4 22	7 38	17 47	26 36	0 0	8 56	5 52
3	4 24	7 36	17 32	24 50	1 16	9 58	5 47
4	4 25	7 35	17 16	21 33	2 20	10 56	5 42
5 10 Sun. af. Tr.	4 27	7 33	17 0	17 4	☉ sets	11 51	5 37
6 Transfiguration	4 29	7 32	16 43	11 49	7 44	0 41	5 31
7 Pbs. Ame. born	Na. of J.	7 30	16 27	6 7	7 58	1 27	5 28
8 [Nat. of Jesus	4 32	7 28	16 10	0 19	8 10	2 10	5 17
9	4 34	7 26	15 53	3 21	8 23	2 53	5 10
10 St. Lawrence	4 35	7 25	15 35	10 41	8 37	3 35	5 1
11 Duch. Brant. b.	Do. d. c.	7 23	15 17	15 31	8 54	4 19	4 54
12 11 Su. af. Trine	4 39	7 21	15 0	19 41	9 13	5 4	4 48
13 [Pr. of W. a. o.	O. Lam.	7 19	14 41	23 2	9 38	5 50	4 33
14	4 42	7 18	14 23	23 24	10 11	6 40	4 22
15 Assumption	4 44	7 16	14 4	26 38	10 57	7 31	4 14
16 D. of York b.	4 46	7 14	13 45	26 38	11 34	8 23	3 58
17	4 48	7 12	13 26	23 20	morn	9 15	3 46
18	4 50	7 10	13 7	22 45	1 3	10 7	3 34
19 12 Sun. a. Tr.	4 51	7 9	12 48	18 59	2 13	10 58	3 20
20	4 53	7 7	12 28	14 12	3 38	11 47	3 10
21 Duke of Clar. b.	4 55	7 5	12 8	8 37	☉ rises	morn	2 52
22	4 57	7 3	11 48	2 32	7 16	0 35	2 37
23	4 59	7 1	11 28	3 46	7 31	1 22	2 25
24 St. Bartholom.	5 1	6 59	11 7	9 56	7 48	2 11	2 6
25	5 2	6 58	10 46	15 38	8 8	3 2	1 50
26 13 Sun. af. Tr.	5 4	6 56	10 26	20 29	8 36	3 55	1 34
27	5 6	6 54	10 5	24 8	9 11	4 52	1 17
28 St. Augustine	5 8	6 52	9 43	26 16	10 1	5 52	1 0
29 J. Bap. behead.	5 10	6 50	9 22	26 42	11 13	6 54	0 42
30	5 12	6 48	9 1	25 26	morn	7 55	0 24
31	5 14	6 46	8 39	22 38	0 26	8 53	0 6
Day Length	Helioe.	Helioe.	Helioe.	Helioe.	Helioe.	Helioe.	☉
decreas. of day	long. h	long. 11	long. 8	long. 5	long. 2	long. 0	sets
1 1 13 15 21	4 42	8 m 46	9 27	8 56	7 10	18 10	9 21
7 1 31 15 3	4 53	9 14	12 51	14 41	16 39	17 m 10	9 9
3 1 51 14 43	5 6	9 41	16 13	20 27	26 8	10 54	8 48
9 2 13 14 21	5 18	10 9	19 33	26 13	5 38	0 m 56	8 26
5 2 35 13 50	5 30	10 36	22 51	2 0	15 49	18 55	8 5

1804.

August.

23

M.	Day-lig D	begins	Day-lig ends	Durat. twilig.	Pl. (s node	h's latitude	u's latitude	d's latitude	g's latitude	h's latitude		
1	1	23	10 34	2 58	4 37	2 n 15	1 n 8	0 s 14	6 s 45	1 n 45		
7	1	47	10 13	2 46	4 18	2 14	1 6	0 8	7 30	1 40		
13	2	9	9 51	2 34	3 59	1 13	1 2	0 3	7 48	1 16		
19	2	29	9 31	2 25	3 40	2 13	1 4	0 n 2	7 37	0 38		
25	2	47	9 13	2 18	3 21	2 12	1 2	0 8	7 6	0 s 8		
M	O's		Q's		h's		u's		d's		g's	
D	longitude		long.		latitude		long.		long.		long.	
1	Ω	8 56	2	14 11 15	4 n 5	29 57	28 11	14 11	13 5	11 11	11 21	11 21
2		9 53	30	18 33	3 2	0 2	23 17	14 4	12 49	13 24	13 24	13 24
3		10 50	59	12 46	2 0	0 8	23 24	15 28	12 12	15 25	15 25	15 25
4		11 48	29	16 49	0 45	0 14	23 30	16 8	11 34	17 24	17 24	17 24
G		12 46	1	10 39	0 s 32	0 20	38 37	16 48	10 57	19 22	19 22	19 22
6		13 43	33	24 14	1 45	0 26	28 44	17 28	10 20	21 19	21 19	21 19
7		14 41	7	7 30	2 51	0 32	28 51	18 8	9 44	22 16	22 16	22 16
8		15 38	47	20 27	3 46	0 38	28 58	18 47	9 9	22 5	22 5	22 5
9		16 36	17	3 6	4 29	0 40	29 6	19 27	8 35	27 1	27 1	27 1
10		17 33	54	15 29	4 58	0 50	29 14	20 6	8 22	28 52	28 52	28 52
11		18 31	31	27 38	5 14	0 56	29 22	20 46	7 29	29 42	29 42	29 42
G		19 29	9	9 38	5 15	1 2	29 30	21 25	6 57	2 30	2 30	2 30
13		20 26	49	21 32	5 3	1 8	29 38	22 4	6 26	4 10	4 10	4 10
14		21 24	29	3 25	4 37	1 14	29 46	22 43	5 58	6 1	6 1	6 1
15		22 22	10	15 22	4 0	1 20	29 54	23 22	5 32	7 43	7 43	7 43
16		23 19	52	27 27	3 12	1 26	om 3	24 1	5 8	9 28	9 28	9 28
17		24 17	35	9 44	2 14	1 33	0 11	24 40	4 47	11 9	11 9	11 9
18		25 15	29	22 17	1 9	1 39	0 19	25 19	4 29	12 48	12 48	12 48
G		26 13	4	5 8	on 2	1 46	0 28	25 58	4 13	14 25	14 25	14 25
20		27 10	50	18 19	1 13	1 52	0 37	26 26	4 2	15 1	15 1	15 1
21		28 8	39	1 48	2 23	1 59	0 46	27 15	3 49	17 30	17 30	17 30
22		29 6	29	15 35	3 25	2 5	0 55	27 53	3 40	19 10	19 10	19 10
23	m	0 4	20	29 36	4 17	2 12	1 4	28 32	3 31	20 44	20 44	20 44
24		1 2	13	13 47	4 53	2 18	1 13	29 10	3 28	22 13	22 13	22 13
25		2 0	3	28 4	5 12	2 25	1 23	29 48	3 24	23 43	23 43	23 43
G		2 58	5	12 22	5 10	4 32	1 32	om 25	2 22	25 11	25 11	25 11
27		3 56	3	26 39	4 50	2 39	1 42	1 3	2 23	26 38	26 38	26 38
28		4 54	4	10 50	4 13	2 46	1 51	1 40	2 27	28 2	28 2	28 2
29		5 52	6	24 54	3 20	2 53	2 1	2 28	3 34	29 27	29 27	29 27
30		6 50	11	8 51	2 16	3 0	2 10	2 55	3 44	30 50	30 50	30 50
31		7 48	18	22 37	1 5	3 7	2 20	3 31	3 57	31 11	31 11	31 11
M	u's		d's		g's		h's		u's		d's	
D	sets		rises		sets		declin.		declin.		declin.	
1	10 a 13	11 a 54	7 a 7	7 a 7	9 a 59	2 n 5	9 s 47	22 18	10 n 19	19 n 19	19 n 19	19 n 19
7	9 52	11 47	rises	rises	8 1	1 51	10 32	22 48	10 25	15 22	15 22	15 22
13	9 31	11 38	3 m 56	3 m 56	7 58	1 36	10 23	23 10	11 11	11 8	11 8	11 8
19	9 10	11 21	2 21	2 21	7 48	1 20	10 39	23 27	11 49	6 44	6 44	6 44
25	8 49	11 24	2 51	2 51	7 36	1 3	10 59	23 36	12 30	2 22	2 22	2 22

The LUNATIONS.

New Moon the 4th day, at 37 minutes past 3 morning.
 First quarter the 12th day, at 55 minutes past 3 morning.
 Full Moon the 19th day, at 31 minutes past 3 afternoon.
 Last quarter the 26th day, at 21 minutes past 7 morning.

Sundays & other remark. days	☉ rises	☉ sets	☉'s declin.	☽'s declin.	☽ rises & sets	☽ South	Clock aft. ☉
Giles	5 16	6 44	8 n 17	18 n 35	1 n 40	9 m 48	12
14 Sun. af. Tri.	5 18	6 4	7 53	13 39	2 56	10 39	0 31
[Lon. bt. 1666	5 20	6 4	7 33	8 10	4 24	11 26	9 50
	5 22	6 38	7 11	2 26	☽ sets	0 2 10	1 9
	5 23	6 37	6 49	3 58	6 38	0 54	1 29
	5 25	6 35	6 27	8 47	6 52	1 37	1 48
Enyuchus	5 27	6 33	6 4	13 45	7 56	2 20	2 8
Nativity V.M.	5 29	6 31	5 44	18 14	7 25	3 5	2 28
15 Sun. af. Tri.	5 31	6 29	5 19	21 57	7 49	3 51	2 49
	5 33	6 27	4 50	24 39	8 19	4 40	3 9
	5 35	6 25	4 3	26 13	8 58	5 30	3 30
	5 37	6 23	4 10	26 39	9 49	6 21	3 51
	5 39	6 21	3 1 48	25 50	10 53	7 13	4 12
Holy Cross	5 41	6 19	3 1 24	23 48	morn	8 5	4 33
	5 43	6 17	3 1 10	20 49	9 5	8 55	4 54
16 Sun. a. Tri.	5 45	6 15	2 1 38	16 48	10 43	9 45	5 15
Lambert	5 47	6 13	2 1 15	10 32	2 44	10 33	5 36
	5 49	6 11	1 52	4 57	4 6	11 22	5 57
Ember Week	5 51	6 9	1 4	10 22	(rises morn		6 18
	5 53	6 7	1 5	2 45	6 2	0 11	6 39
St. Matthew	5 55	6 5	0 1 42	13 1 46	6 24	1 2	7 0
K. Geo. III. cr.	5 57	6 3	0 1 18	19 2 5	6 46	1 57	7 21
17 Sun. af. Tri.	5 59	6 1	0 8 5	23 8 7	7 22	2 54	7 42
	6 1	5 59	0 29 25	43 8 7	3 55	3 55	8 3
	6 3	5 57	0 52 26	34 9 7	4 57	4 57	8 23
Cypri. O. d. Holy	6 4	5 50	1 15 25	41 10 19	5 59	5 59	8 43
[Rood	6 6	5 54	1 39 23	15 11 37	6 58	6 58	9 3
[Witem. b	6 8	5 52	2 2 19	23 morn	7 53	7 53	9 23
St. Michael. D.	6 10	5 50	2 26 14	55 0 59	8 44	8 44	9 43
18 Sun. af. Tri.	6 12	5 48	2 4 9	40 2 18	9 31	9 31	10 2
St. Jerome							
Day Length	Helioe.	Helioe.	Helioe.	Helioe.	Helioe.	Helioe.	h sets
of day	long. ♀	long. ♀	long. ♂	long. ☉	long. ☽	long. ☽	
3 13 33	5 44	11 8 26	8 40	8 46	26 16	8 130	7 21
2 25 13 9	5 56	11 38 29	54	14 38	5 48	25 0	7 20
3 49 12 45	6 8	12 4 31	5	20 26	15 21	12 3	7 0
4 11 12 23	6 10	12 31 6	15	26 18	24 56	0 25	6 40
4 15 11 59	6 12	12 59 9	23	3 10	4 51	21 7	6 19

M	Day	lig.	Day	lig.	Durat.	Pl. C's	h's	u's	δ's	♀'s	♂'s
D	begins	ends.	twilig.	node	latitude	latitude	latitude	latitude	latitude	latitude	latitude
1	3	7	8	55	2	11	2 59	2 n 12	1 n 1	0 n 15	6 s 15
7	3	24	8	36	2	6	2 39	2 n 11	1 0	0 21	5 s 26
13	3	37	8	23	2	4	2 20	2 n 11	0 59	0 28	4 s 34
19	3	52	8	8	2	1	2 1	2 n 11	0 58	0 35	3 s 43
25	4	5	7	55	2	0	1 42	2 n 11	0 5	0 42	2 s 53
M	☉'s				☉'s	☉'s	h's	u's	δ's	♀'s	♂'s
D	longitude				long.	latitude	long.	long.	long.	long.	long.
1	8	40	26		6 14	0 s 9	3 14	2 m 30	4 50	4 50	3 14
7	9	44	36		19 39	1 21	3 21	2 40	4 47	4 29	4 4
13	10	42	49		2 52	2 28	3 28	2 50	5 24	4 47	0
19	11	41	3		15 51	3 25	3 35	3 0	6 1	5 6	7 1
25	12	39	19		28 37	4 12	3 42	3 11	6 38	5 27	8 3
1	13	37	37		11 9	4 45	3 49	3 21	7 15	5 49	9 4
7	14	35	56		23 27	5 4	3 56	3 32	7 51	6 12	10 5
13	15	34	17		5 m 34	5 9	4 3	3 42	8 27	6 3	11 15
19	16	32	40		17 31	5 1	4 10	3 53	9 3	7 4	13
25	17	31	4		29 24	4 39	4 17	4 4	9 39	7 33	14
1	18	29	29		11 15	4 6	4 24	4 15	10 15	8 4	15
7	19	27	56		23 10	3 22	4 31	4 26	10 51	8 37	16
13	20	26	25		5 13	2 29	4 39	4 37	11 27	9 12	16 5
19	21	24	25		17 30	1 27	4 46	4 48	12 2	9 47	17 5
25	22	23	27		0 5	0 21	4 52	4 59	12 38	10 23	18 4
1	23	22	0		13 3	0 n 49	5 1	5 11	13 13	11 0	19 2
7	24	20	35		26 24	1 58	5 8	5 22	13 49	11 39	20
13	25	19	12		10 11	3 2	5 15	5 33	14 24	12 19	20 4
19	26	17	31		24 20	3 57	5 23	5 45	14 59	13 0	21 1
25	27	16	32		8 48	4 38	5 30	5 56	15 33	13 43	21 4
1	28	15	15		23 28	5 1	5 37	6 8	16 8	14 26	22 1
7	29	14	0		8 11	5 4	5 45	6 19	16 42	15 16	22 2
13	30	12	47		22 51	4 48	6 52	6 31	17 17	15 55	22
19	1	11	37		7 11 22	4 13	6 0	6 43	17 51	16 41	22
25	2	10	29		21 38	3 22	6 7	6 55	18 25	17 28	22 R
1	3	9	23		5 39	2 21	6 15	7 7	18 58	18 16	22
7	4	8	20		19 24	1 12	6 22	7 19	19 32	19 5	22
13	5	7	19		2 53	0 1	6 30	7 31	20 5	19 54	22
19	6	6	21		16 8	1 s 9	6 37	7 43	20 39	20 44	21
25	7	5	25		29 11	2 15	6 45	7 55	21 12	21 35	20 1
M	☉'s		☉'s	☉'s	☉'s	h's	u's	δ's	♀'s	♂'s	
D	fets	rises	rises	fets	declin.	declin.	declin.	declin.	declin.	declin.	
1	8 a 26	11 a 18	2 m 27	7 a 20	0 n 44	11 s 24	23 n 39	13 n 9	2 s		
7	8 5	11 12	2 12	7 6	0 27	11 46	23 35	13 29	6		
13	7 47	11 7	2 2	6 49	0 9	12 23	23 26	13 34	9		
19	7 27	11 3	1 59	6 31	0 s 8	12 32	23 12	13 22	11		
25	7 8	11 58	1 58	6 10	0 26	12 36	23 53	13 52	12		

October hath xxxi Days.

White.

The LUNATIONS.

New Moon the 3d day, at 57 minutes past 6 afternoon,
 First quarter the 11th day, at 13 minutes past 10 night.
 Full Moon the 19th day, at 17 minutes past 1 morning.
 Last quarter the 25th day, at 10 minutes past 4 afternoon.

Indays & other remark days	☉ rises	☉ sets	☉'s declin.	☽'s declin.	☽ rises & sets	☽ South	Clock aft. ☉
emigius	6 14	5 46	3 12	4 n 6	3 m 35	10 m 16	10 21
	6 18	5 44	3 36	1 33	4 59	10 59	10 40
	6 18	5 42	3 59	7 3	5 21	11 42	10 58
	6 20	5 40	4 22	12 11	5 42	12 25	11 36
	6 22	5 38	4 45	16 47	5 40	1 9	11 34
5th	6 24	5 36	5 9	20 40	6 1	1 55	11 52
Sun. af. Tri.	6 26	5 34	5 32	23 40	6 29	2 42	12 9
Denys	6 28	5 32	5 55	25 37	7 6	3 32	12 25
x. & Cam. T. h	6 30	5 30	6 18	26 25	7 53	4 22	12 41
	6 32	5 28	6 40	26 1	8 50	5 12	12 57
Mich. day	6 34	5 26	7 3	24 24	9 52	6 4	13 12
	6 36	5 24	7 26	21 37	12 16	6 53	13 27
ra. K. Edw. C.	6 38	5 22	7 48	17 45	morn	7 42	13 41
Sun. af. Tri.	6 40	5 20	8 11	12 58	0 27	8 30	13 55
	6 42	5 18	8 31	7 25	1 47	9 17	14 9
theldred	6 44	5 16	8 55	1 20	3 8	10 6	14 24
Luke	6 45	5 15	9 17	5 n 0	4 31	10 56	14 34
	6 47	5 13	9 39	11 14	5 59	11 50	14 43
	6 49	5 11	10 1	16 36	☽ rises morn	12 4	14 56
	6 51	5 9	10 23	21 37	5 27	0 47	15 7
Sun. aft. Tri.	6 53	5 7	10 44	24 59	6 9	1 48	15 16
	6 55	5 5	11 5	26 16	7 5	2 52	15 25
	6 57	5 3	11 27	25 51	8 15	3 56	15 34
	6 59	5 1	11 48	23 45	9 35	4 58	15 41
Geo. 3. acc.	Crispin	4 59	12 8	20 17	10 56	5 55	15 48
Geo. 3. proc.	7 3	4 57	12 2	15 49	morn	6 48	15 54
	7 4	4 55	12 49	10 43	0 15	7 36	16 0
Syn. af. Tri.	7 6	4 54	13 10	5 16	1 32	8 21	16 4
St. Sim. & Jude	7 8	4 52	13 39	0 17	2 45	9 4	16 8
	7 10	4 50	13 50	5 44	3 58	9 46	16 12
	7 12	4 48	14 0	10 53	5 0	10 28	16 14
Day areaf.	Length of day	Helioc. long. ♀	Helioc. long. ♂	Helioc. long. ♀	Helioc. long. ♂	Helioc. long. ♀	Helioc. long. ♂
59	11 35	6 44	13 26	12 11	8 7	5 14	10 10
5 23	11 10	6 56	13 51	15 32	14 0	23 44	14 17
5 45	10 48	7 14	14 21	18 35	19 56	3 11	18 30
5 9	10 24	7 20	14 49	21 35	25 54	13 2	26 11
5 10	10 2	7 32	15 1	24 34	28 53	22 43	28 20

1804.

October.

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M D	Daylig. begins	Daylig. ends	Durat. twilig.	Pl. C's node	h's latitude	u's latitude	δ's latitude	♀'s latitude	♂'s latitude
1	4 18	7 42	1 59	1 ^m 23	2 n 11	0 n 57	0 n 49	2 s 7	3 s 2
7	4 31	7 29	1 58	1 ^m 4	2 12	0 56	0 57	1 23	1 5
13	4 43	7 17	1 57	0 45	2 12	0 55	1 5	0 43	0 n
19	4 55	7 5	1 57	0 26	2 12	0 55	1 24	0 7	1 5
25	5 6	6 54	1 58	0 7	2 13	0 54	1 27	0 n 26	2
M D	☉'s longitude	☾'s long.	☾'s latitude	h's long.	u's long.	δ's long.	♀'s long.	♂'s long.	
1	Δ 8	4 31	12 n 2	3 s 12	6 n 52	8 m 1	21 45	22 27	22 21
2	9	3 40	24 43	3 59	6 59	8 20	22 17	23 19	19 5
3	10	2 50	7 Δ 13	4 33	7 7	8 32	22 50	24 12	18 5
4	11	2 3	19 33	4 54	7 14	8 44	23 22	25 6	17 5
5	12	1 18	1 m 44	5 1	7 22	8 57	23 55	26 0	16 5
6	13	0 35	13 45	4 55	7 29	9 9	24 27	26 55	15 5
G	13	59 54	25 40	4 36	7 36	9 22	24 59	27 51	13 5
8	14	59 14	7 Δ 30	4 5	7 43	9 34	25 30	28 47	12 5
9	15	58 36	19 18	3 24	7 51	9 47	26 2	29 43	11 5
10	16	58 1	1 5	2 33	7 58	9 59	26 33	0 m 40	10 5
11	17	57 27	13 10	1 35	8 6	10 12	27 4	1 38	9 5
12	18	56 54	25 24	0 32	8 13	10 24	27 35	2 36	8 5
13	19	56 23	7 m 55	0 n 34	8 20	10 37	28 6	3 35	8 5
G	20	55 54	20 51	1 41	8 27	10 50	28 36	4 34	7 5
15	21	55 29	4 Δ 13	2 44	8 35	11 3	29 6	5 34	7 5
16	22	55 2	18 5	3 40	8 42	11 16	29 36	6 34	7 D
17	23	54 38	2 P 25	4 24	8 50	11 29	0 Δ 6	7 34	7 5
18	24	54 17	17 10	4 52	8 57	12 42	0 36	8 35	7 5
19	25	53 57	2 8 10	5 0	9 4	12 55	1 5	9 36	8 5
20	26	53 39	17 19	4 48	9 11	12 8	1 34	10 38	8 5
G	27	53 24	2 II 23	4 15	9 18	12 21	2 2	11 40	9 5
22	28	53 11	17 14	3 26	9 25	12 34	2 31	12 42	10 5
23	29	53 0	10 Δ 46	2 24	9 32	12 47	2 50	13 49	11 5
24	30	52 51	15 56	1 15	9 39	13 0	3 28	14 48	12 5
25	1	52 45	29 42	0 3	9 46	13 13	3 56	15 52	13 5
26	2	52 40	13 Δ 6	1 s 8	9 50	13 26	4 23	16 56	15 5
27	3	52 36	26 11	2 13	10 0	13 39	4 50	18 0	16 5
G	4	52 39	h m 0	3 10	10 7	13 52	5 17	19 5	17 5
29	5	52 42	21 35	3 56	10 14	14 5	5 43	20 10	19 5
30	6	52 47	4 Δ 0	4 30	10 21	14 18	6 10	21 15	20 5
31	7	52 54	16 16	4 52	10 28	14 31	6 37	22 20	22 5
M D	☾'s sets	☽'s rises	♀'s rises	♂'s sets	h's declin.	u's declin.	δ's declin.	♀'s declin.	♂'s declin.
1	6 a 48	10 a 54	2 m 1	5 a 47	0 s 43	13 s 20	22 n 31	12 n 3	11 s
7	6 29	10 49	2 7	rises	1 0	13 45	22 5	10 56	7 5
13	6 10	10 43	2 15	5 m 35	1 17	14 9	22 38	9 32	3 5
19	5 51	10 36	2 24	5 2	1 34	14 35	22 8	7 52	1 5
25	5 30	10 29	2 30	5 11	1 50	14 58	20 38	5 58	3 5

The LUNATIONS.

New Moon the 2d day, at 50 minutes past 10 morning.

First quarter the 10th day, at 19 minutes past 3 afternoon.

Full Moon the 17th day, at 1 minute past 11 morning.

Last quarter the 24th day, at 21 minutes past 4 morning.

Sundays & other remark. days	☉ rises	☉ sets	☉'s declin.	☽'s declin.	☽ rises & sets	☽ South	Clock aft. ☉	
St Saines	7 14	4 40	14 29	15 35	6 m 19	11 m 11	16' 15"	
n. of Kent bo.	All Soul	4 45	14 48	19 37	☽ sets	11 55	16 16	
a. Sepia born	7 17	4 43	15 7	22 49	4 a 33	0 a 42	16 15	
Sun. af. Trin.	K. W. L.	4 41	15 25	25 1	5 9	1 31	16 14	
under Plot	7 21	4 39	15 44	26 7	5 51	2 21	16 13	
Donara: Mich.	7 23	4 38	16 2	26 1	6 45	3 11	16 10	
[T. D.]	7 24	4 36	16 20	24 44	7 49	4 1	16 7	
s. Aug. Se b.	7 26	4 34	16 37	22 18	9 0	4 50	16 2	
ord Mayor's d.	7 27	4 33	16 55	18 50	10 13	5 37	15 57	
	7 29	4 31	17 12	14 28	12 28	6 23	15 52	
Sun. a. Tr.	St Mar.	4 29	17 28	9 21	morn	7 9	15 45	
am. T. div. n.	7 32	4 28	17 45	3 39	0 45	7 55	15 37	
ritius	7 34	4 26	18 1	2 n 25	2 4	8 42	15 29	
lachutus	7 36	4 24	18 17	8 34	3 26	9 33	15 20	
	7 37	4 23	18 32	14 27	4 52	10 27	15 16	
ugh Bp.	7 39	4 21	18 47	19 30	6 21	11 27	14 59	
Sun. af. Trin.	7 40	4 20	19 2	23 31	☽ rises	morn	14 47	
	7 42	4 18	19 16	25 45	4 a 49	0 30	14 35	
dmund	7 43	4 17	19 31	26 3	5 55	1 56	14 21	
	7 44	4 16	19 44	24 28	7 12	2 41	14 7	
ecilia	7 46	4 14	19 58	21 17	8 34	3 42	13 52	
em: Old Mart.	7 47	4 13	20 11	16 56	9 57	4 38	13 36	
[of Glo. h.]	7 48	4 12	20 24	11 51	11 16	5 29	13 20	
Su. af. Tr. D.	7 50	4 10	20 36	6 24	morn	6 15	13 2	
Cather.	4 9	20 48	0 49	0 32	6 59	12 44		
	7 52	4 8	20 59	4 s 39	1 45	7 41	12 25	
ich. Term e.	7 53	4 7	21 10	9 51	2 56	8 23	12 5	
	7 54	4 6	21 21	14 36	4 7	9 5	11 45	
	7 56	4 4	21 31	18 45	5 17	9 48	11 28	
Andrew	7 57	4 3	21 41	22 7	6 27	10 34	11 1	
Day creaf.	Length of day	Helioc. long. ♀	Helioc. long. ♂	Helioc. long. ♂	Helioc. long. ☉	Helioc. long. ♀	Helioc. long. ☽	☽ rises
57	9 37	7 46	15 m 49	28 11 0	8 53	4 22 2	8 m 21	4 m 23
19	9 15	7 58	16 17	0 56	14 55	13 45	3 26	4 4
31	8 55	8 10	16 44	3 49	20 57	23 29	24 35	3 43
58	8 36	8 23	17 12	6 42	27 0	3 14	13 m 9	3 22
14	8 29	8 34	17 45	9 33	3 11 5	12 59	0 16	2 59

1804.

November.

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M. Daylig. D. begins	Daylig. ends	Durat. twilig.	Pl. (° node	h's latitude	u's latitude	δ's latitude	♀'s latitude	♂'s latitude
1	5 17	6 43	1 59	20 45	20 14	00 54	10 34	00 57
7	5 25	6 35	2 29	29 26	2 15	0 53	1 44	2 21
13	5 34	6 26	3 39	29 7	2 15	0 53	1 55	1 40
19	5 41	6 19	2 5	28 48	2 16	0 53	2 7	1 54
25	5 48	6 12	2 7	28 29	2 18	0 53	2 19	2 4
M. D.	☉'s longitude	☉'s long.	☉'s latitude	h's long.	u's long.	δ's long.	♀'s long.	♂'s long.
1	m 8 53	3 28	24 50	10 35	14 m 45	78	20 24	31 25
2	9 53	15 10	17 25	4 51	10 42	14 58	7 28	24 31
3	10 53	28 22	21 4	4 36	10 49	15 31	7 53	25 37
G	11 53	42 4	21 3	4 5	10 56	15 24	8 17	26 44
5	12 53	59 16	2 3	24 11	2 15	37 8	42 27	51 0 m
6	13 54	37 27	50 2	34 11	9 15	50 9	7 28	58 1
7	14 54	37 27	54 1	37 11	15 16	4 9	31 2	58 3
8	15 54	58 21	41 0	35 11	22 16	17 9	31 2	58 3
9	16 55	80 3	29 0	29 11	28 16	30 10	17 2	20 6
10	17 55	44 16	19 1	34 11	35 16	43 10	39 3	25 8
G	18 56	9 29	9 2	36 11	41 16	56 11	2 4	36 9
12	19 56	36 12	25 3	38 11	48 17	9 11	25 5	40 11
13	20 57	3 26	10 4	18 11	54 17	23 11	47 6	52 13
14	21 57	33 10	26 4	49 12	1 17	36 12	8 8	1 14
15	22 58	3 25	10 5	13 12	7 17	49 12	20 0	16 16
16	23 58	35 10	16 4	56 12	13 18	2 12	49 10	19 17
17	24 59	9 25	34 4	29 12	19 18	16 13	0 11	28 19
G	25 59	44 10	11 3	41 12	25 18	29 13	20 11	33 21
19	27 0	21 26	3 2	39 12	31 18	43 13	48 13	40 22
20	28 0	57 10	53 1	27 12	37 18	56 14	6 14	56 24
21	29 1	39 25	18 0	11 12	43 19	10 14	24 16	6 25
22	0 2	20 9	16 1	4 12	49 19	23 14	21 17	12 27
23	1 3	4 22	46 2	12 12	54 19	36 15	9 18	26 29
24	2 3	49 5	53 3	12 13	0 19	49 15	15 19	36 31
G	3 4	35 18	39 4	0 13	5 20	2 15	33 20	46 32
26	4 5	24 1	7 4	35 13	11 20	15 15	49 21	56 3
27	5 6	14 13	23 4	58 13	16 20	28 16	5 23	74 5
28	6 7	5 29	20 5	6 13	22 20	41 18	20 24	18 6
29	7 7	58 7	8 5	1 13	27 20	54 16	5 24	29 8
30	8 8	53 19	22 5	43 13	33 21	7 16	48 26	4 10
M. D.	☉'s rises	☉'s rises	☉'s rises	h's declin.	u's declin.	δ's declin.	♀'s declin.	♂'s declin.
1	5 7	10 2	18 2	m 50	5 m 37	2 8	15 25	20 n 3
7	4 46	10 8	3 3	6 12	2 24	15 49	19 3	1 19
13	rises	9 55	3 26	6 47	2 38	16 12	19 9	1 15
19	6 m 42	0 42	1 30	7 16	2 51	16 34	18 48	3 41

The LUNATIONS.

New Moon the 2d day, at 35 minutes past 5 morning.

First quarter the 10th day, at 45 minutes past 5 morning.

Full Moon the 16th day, at 18 minutes past 9 night.

Last quarter the 23d day, at 1 minute past 8 night.

M D	Sundays & other remark. days	☉ rises	☉ sets	☉'s declin.	☉'s declin.	☽ rises & sets	☽ South	Clock aft. ☉	
1	Advent Sunday	7 58	4 2	21 51	24 33	7 35	11 22	10 39	
2		7 59	4 1	22 0	25 53	☽ sets	0 2 11	10 16	
3		8 0	4 0	22 9	26 3	4 34	1 1	9 52	
4		8 0	4 0	22 17	26 6	5 39	1 51	9 27	
5		8 1	3 59	22 25	22 4	6 42	2 40	9 2	
6	Nicholas	8 2	3 58	22 32	19 35	7 53	3 27	8 37	
7	Concept. V.M. 2 Sun. in Adve.	8 3	3 57	22 39	15 28	9 6	4 12	8 11	
8		8 4	3 56	22 45	10 37	10 21	4 56	7 44	
9		8 4	3 56	22 51	5 13	11 37	5 40	7 17	
10		8 5	3 55	22 57	0 34	morn	6 25	6 50	
11	Lucy	8 5	3 55	23 2	6 29	0 54	7 12	6 22	
12		8 6	3 54	23 7	12 16	2 14	8 2	5 54	
13		8 6	3 54	23 11	17 25	3 38	8 57	5 26	
14		8 7	3 53	23 15	21 58	5 7	9 56	4 57	
15		8 7	3 53	23 18	24 57	6 32	11 1	4 28	
16	3 Su. in Advent	8 7	3 53	23 21	26 8	Drises.	morn	3 59	
17	[Ca. T. e. O. Sa.	8 8	3 52	23 23	25 20	4 29	0 7	3 30	
18		8 8	3 52	23 25	22 43	5 55	1 10	3 0	
19	Ember Week	8 8	3 52	23 26	18 39	7 19	2 12	2 30	
20		8 8	3 52	23 27	13 37	8 42	3 6	2 0	
21	St. Thomas	Shor. d.	3 52	23 28	8 4	10 2	3 56	1 31	
22		8 8	3 52	23 28	2 20	11 19	4 43	1 1	
23	4 Su. in Advent	8 8	3 52	23 27	3 19	morn	5 26	0 30	
24		8 8	3 52	23 26	8 41	0 32	6 8	0 0	
25	Christmas Day	8 7	3 51	23 25	13 36	1 44	6 50	ob. 30	
26	St. Stephen	8 7	3 53	23 23	17 54	2 55	7 33	1 9	
27	St. John, Ev.	8 7	3 53	23 21	21 27	4 5	8 18	1 29	
28	Inno. ents	8 6	3 54	23 18	24 6	5 13	9 5	1 59	
29		8 6	3 54	23 15	25 42	6 17	9 54	2 29	
30	1 Sun. a. Chriſt.	8 5	3 55	23 11	26 8	7 11	10 44	1 58	
31	Silveſter	8 5	3 55	23 7	25 22	7 52	11 34	3 27	
M D	Day decreaf.	Length of day	Helioc. long. ♀	Helioc. long. ♂	Helioc. long. ♂	Helioc. long. ☉	Helioc. long. ♀	Helioc. long. ♂	H rises
1	8 28	8 6	8 46	18 17	12 22	9 10	22 54	16 48	2 38
2	8 40	7 54	8 58	18 35	15 11	15 16	22 30	15 29	2 14
3	8 46	7 48	9 9	19 3	17 58	21 22	12 16	12 6	1 51
4	8 50	7 44	9 21	19 31	20 44	27 20	12 0	10 32	1 26
5	o.p. 2	7 46	9 33	19 58	23 29	3 36	1 44	2 51	1 1

M.D.	Day begins	Day ends	Day twilig.	Pl. Q's node	h's latitude	l's latitude	δ's latitude	♀'s latitude	♂'s latitude
1	5 54	6 6	2 8	28 19	2 11	0 11 53	2 11 32	2 11 10	1 8
7	5 57	6 3	2 10	27 50	2 20	0 52	2 46	2 12	1 4
13	5 59	6 1	2 11	27 31	2 21	0 52	3 0	2 10	2
19	6 1	5 59	2 11	27 12	2 23	0 53	3 15	2 5	2 1
25	6 1	5 59	2 11	26 53	2 24	0 53	3 30	1 57	2
M.D.	☉'s longitude	☌'s long.	☍'s latitude	h's long.	l's long.	δ's long.	♀'s long.	♂'s long.	
1	9 9 48	1 14	4 13	13 38	2 11 19	17 51	27 51	11 4	
6	10 10 45	13 4	3 31	13 43	2 1 32	17 1	29 2	13 1	
3	11 11 43	24 55	2 41	13 48	2 1 45	17 25	om 14	14 4	
4	12 12 42	6 48	1 43	13 53	2 1 58	17 36	1 25	16 1	
5	13 13 41	18 45	0 40	13 58	2 1 11	17 4	2 37	17 1	
6	14 14 42	om 30	0 12	14 3	2 2 24	17 57	3 48	19 2	
7	15 15 43	13 5	1 31	14 8	2 2 37	18 7	5 0	21 1	
8	16 16 44	25 34	2 33	14 13	2 2 50	18 16	6 12	22 1	
9	17 17 47	8 21	3 29	14 17	2 3 3	18 24	7 24	24 1	
10	18 18 49	21 31	4 1	14 22	2 3 16	18 31	8 36	25 1	
11	19 19 53	5 7	4 51	14 26	2 3 28	18 37	9 48	27 1	
12	20 20 56	19 9	5 9	14 31	2 3 41	18 43	11 0	28 1	
13	21 22 0	3 39	5 9	14 35	2 3 53	18 49	12 13	29 1	
14	22 23 5	18 31	4 48	14 39	2 4 6	18 54	13 25	30 1	
15	23 24 10	3 11 40	4 7	14 43	2 4 18	18 58	14 38	31 1	
16	24 25 15	18 55	3 8	14 47	2 4 31	19 1	15 50	32 1	
17	25 26 21	4 6	1 56	14 51	2 4 43	19 3	17 3	33 1	
18	26 27 27	19 4	0 37	14 55	2 4 55	19 5	18 15	34 1	
19	27 28 34	3 41	0 43	14 59	2 5 7	19 7	19 28	35 1	
20	28 29 44	17 51	1 59	15 3	2 5 19	19 9	20 41	36 1	
21	29 30 50	11 34	3 4	15 6	2 5 31	19 11	21 54	37 1	
22	30 31 56	4 50	3 58	15 10	2 5 43	19 13	23 7	38 1	
23	31 32 9	27 41	4 38	15 13	2 5 55	19 15	24 20	39 1	
24	2 34 20	10 11	5 3	15 17	2 6 7	19 17	25 33	40 1	
25	3 35 31	22 26	5 24	15 20	2 6 19	19 18	26 47	41 1	
26	4 36 44	4 29	5 11	15 23	2 6 30	19 19	28 0	42 1	
27	5 37 54	16 23	4 55	15 26	2 6 41	19 20	29 13	43 1	
28	6 39 7	28 13	4 26	15 29	2 6 52	19 21	30 26	44 1	
29	7 40 19	10 2	3 46	15 32	2 6 27	19 22	31 40	45 1	
30	8 41 32	21 55	2 56	15 35	2 6 14	19 23	32 53	46 1	
31	9 42 45	3 50	1 57	15 38	2 6 25	19 24	34 6	47 1	
M.D.	☌'s rites	☍'s rites	☉'s rites	☌'s rites	h's declin.	l's declin.	δ's declin.	♀'s declin.	♂'s declin.
1	6 14 9	4 7	3 58	4 3	3 15	17 16	8 10	8 54	23 52
7	5 56 8	4 6	4 12	4 6	3 26	17 36	11 1	8 24	24 4
13	5 36 8	4 26	4 16	4 16	3 35	17 55	13 1	8 27	25 3
19	5 17 7	4 46	4 53	4 53	3 45	18 13	15 1	8 37	25 0
25	4 57 7	4 55	4 56	4 56	3 49	18 31	17 1	8 47	24 4

Dates		Heliocentric		Geocentric		Declination.	South-ing.
Months	Days	longitude	latitude	longitude	latitude		h m
January	1	13 28	0 40	16 32	0 40	5 54	18 15
	11	13 36	0 40	16 41	0 40	5 57	17 33
	21	13 43	0 40	16 44	0 40	5 58	16 51
February	1	13 52	0 40	16 47	0 41	5 56	16 4
	11	14 0	0 40	16 32	0 41	5 53	15 23
	21	14 8	0 40	16 19	0 41	5 47	14 44
March	1	14 15	0 40	16 3	0 41	5 41	14 9
	11	14 22	0 40	15 42	0 42	5 33	13 31
	21	14 30	0 40	15 18	0 42	5 24	12 53
April	1	14 39	0 39	14 49	0 42	5 14	12 11
	11	14 47	0 39	14 23	0 41	5 2	11 34
	21	14 54	0 39	13 58	0 41	4 53	10 55
May	1	15 2	0 39	13 35	0 41	4 44	10 16
	11	15 10	0 39	13 14	0 41	4 36	9 36
	21	15 18	0 39	12 58	0 41	4 30	8 55
June	1	15 26	0 39	12 44	0 40	4 25	8 10
	11	15 34	0 39	12 37	0 40	4 23	7 29
	21	15 43	0 39	12 35	0 39	4 22	6 47
July	1	15 50	0 39	12 38	0 39	4 24	6 6
	11	15 57	0 39	12 47	0 39	4 28	5 25
	21	16 5	0 39	13 0	0 38	4 33	4 45
August	1	16 14	0 39	13 21	0 38	4 42	4 4
	11	16 22	0 39	13 45	0 38	4 51	3 27
	21	16 29	0 39	14 12	0 38	5 1	2 52
September	1	16 38	0 39	14 46	0 37	5 16	2 13
	11	16 46	0 38	15 20	0 37	5 29	1 40
	21	16 53	0 38	15 56	0 37	5 43	1 6
October	1	17 1	0 38	16 33	0 36	5 57	0 32
	11	17 9	0 38	17 12	0 36	6 12	23 55
	21	17 17	0 38	17 50	0 36	6 27	23 20
November	1	17 25	0 38	18 30	0 35	6 42	22 40
	11	17 33	0 38	19 6	0 36	6 55	22 2
	21	17 41	0 38	19 39	0 37	7 8	21 23
December	1	17 49	0 38	20 9	0 37	7 19	20 42
	11	17 56	0 38	20 35	0 37	7 29	20 0
	21	18 4	0 38	20 57	0 37	7 37	19 17
	31	18 12	0 38	21 14	0 38	7 42	18 34

Time of High-Water at LONDON in the morning and after noon of every day in the year.

Mo. Days	JANUARY				FEBRUARY				MARCH				APRIL				Mo. Days
	morn.		aftern.		morn.		aftern.		morn.		aftern.		morn.		aftern.		
	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	
1	4	41	4	57	5	3	5	20	4	33	4	51	5	31	5	56	1
2	5	14	5	31	5	37	5	57	5	9	5	28	6	22	6	49	2
3	5	49	6	8	6	19	6	43	5	47	6	12	7	18	7	49	3
4	6	20	6	50	7	9	7	37	6	38	7	5	8	22	8	55	4
5	7	12	7	36	8	6	8	38	7	35	8	5	9	25	10	3	5
6	8	2	8	26	9	11	9	47	8	36	9	15	10	35	11	8	6
7	8	57	9	25	10	24	10	55	9	56	10	31	11	39			7
8	10	1	10	33	11	35			11	5	11	38	0	9	0	37	8
9	11	5	11	38	0	6	0	37			0	10	1	5	1	31	9
10			0	11	1	5	1	33	0	38	1	5	1	59	2	26	10
11	0	41	1	0	1	59	2	24	1	32	1	57	2	49	3	9	11
12	1	39	2	6	2	46	3	5	2	21	2	44	3	30	3	49	12
13	2	3	2	52	3	21	3	36	3	3	3	21	4	10	4	32	13
14	3	11	3	27	3	51	4	6	3	38	3	54	4	57	5	22	14
15	3	43	3	58	4	25	4	45	4	14	4	35	5	30	6	19	15
16	4	15	4	31	5	5	5	26	4	57	5	21	6	49	7	20	16
17	4	49	5	7	5	53	6	21	5	50	6	19	7	52	8	25	17
18	5	27	5	48	6	51	7	23	6	51	7	25	8	46	9	27	18
19	6	13	6	40	8	0	8	38	8	1	8	38	9	57	10	25	19
20	7	8	7	38	9	18	9	59	9	15	9	50	10	53	11	19	20
21	8	13	8	51	10	36	11	12	10	23	10	54	11	44			21
22	9	30	10	9	11	45			11	25	11	54	0	20	0	28	22
23	10	49	11	29	0	17	0	45			0	19	0	44	1	10	23
24			0	5	1	11	1	36	0	43	1	6	1	37	1	59	24
25	0	39	1	9	1	59	2	20	1	27	1	48	2	22	2	41	25
26	1	37	2	5	2	40	2	59	2	9	2	28	2	58	3	14	26
27	2	31	2	51	3	9	3	23	2	46	3	1	3	30	3	45	27
28	3	7	3	22	3	36	3	49	3	15	3	30	4	1	4	20	28
29	3	36	3	49	4	2	4	17	3	44	3	58	4	40	5	0	29
30	4	2	4	17					4	12	4	34	5	39	5	42	30
31	4	32	4	47					4	59	5	14					31

This Table may serve the following Places, by adding

	h	m
For Tinmouth Haven, Hartle-pool, and Amsterdam	0	30
Brest	1	0
Scilly	1	45
Mount's Bay	1	35
Bridlington Pier and Humber	2	0

ne of High-Water at LONDON in the morning and afternoon of every day in the year.

MAY				JUNE				JULY				AUGUST				MO Days
morn.		aftern.		morn.		aftern.		morn.		aftern.		morn.		aftern.		
h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	
6	6	6	32	7	18	7	45	7	33	8	5	9	41	10	27	1
6	59	7	27	8	14	8	45	8	38	9	15	11	0	11	40	2
7	56	8	26	9	18	9	52	9	55	10	33	0	50	0	17	3
8	57	9	29	10	27	11	1	11	11	11	50	0	50	1	20	4
10	1	10	32	11	37					0	2	1	50	2	16	5
11	4	11	36	0	11	0	46	1	3	1	36	2	32	2	58	6
	0	0	38	1	19	1	52	2	7	2	37	3	14	3	28	7
0	38	1	7	2	22	2	52	3	6	3	18	3	4	3	55	8
1	38	2	6	3	14	3	34	3	36	3	51	4	9	4	24	9
2	36	3	2	3	51	4	11	4	7	4	27	4	41	4	57	10
3	25	3	44	4	31	4	53	4	40	4	5	5	14	5	32	11
4	6	4	27	5	13	5	32	5	14	5	30	5	52	6	15	12
4	50	5	14	5	55	6	15	5	49	6	10	6	39	7	4	13
5	39	6	4	6	37	7	0	6	31	6	54	7	3	8	3	14
6	30	6	56	7	28	7	54	7	18	7	43	8	35	9	0	15
7	22	7	49	8	21	8	38	8	12	8	40	9	43	10	18	16
8	15	8	44	9	6	9	35	9	12	9	45	10	52	11	26	17
9	11	9	39	10	5	10	32	10	17	10	56	11	58			18
10	6	10	31	11	2	11	32	11	23	11	56	0	28	0	56	19
10	58	11	25		0	0	0		0	0	25	1	27	1	48	20
11	51			0	28	0	51	0	54	1	21	2	12	2	32	21
0	17	0	41	1	23	1	50	1	47	2	13	2	53	3	9	22
1	4	1	28	2	16	2	39	2	37	2	56	3	25	3	41	23
1	52	2	16	2	58	3	18	3	12	3	28	3	56	4	14	24
2	4	2	50	3	32	3	48	3	47	3	5	4	32	4	57	25
3	16	3	33	4	4	4	20	4	11	4	28	5	12	5	37	26
3	49	4	6	4	38	4	55	4	47	5	6	6	3	6	34	27
4	23	4	42	5	13	5	32	5	25	5	47	7	7	7	43	28
5	2	5	23	5	52	6	15	6	12	6	40	8	21	9	1	29
5	42	6	5	6	40	7	6	7	10	7	43	9	42	10	10	30
6	20	6	53					8	10	8	50	10	56	11	32	31

Adding

	h	m
For Fowey, Loo and Plymouth	3	10
Dartmouth, Harbrough and Hull	3	30
Topbay and Tinnmouth	3	40
Exmouth, Topsham and Lyme	3	50
Bristol and Weymouth	4	20
Briggewater and Texel	4	40
Portland and Hartflow	5	50

Time of High-Water at LONDON in the morning and after noon of every day in the year.

Mo Days	SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	morn. h m	aftern. h m	morn. h m	aftern. h m	morn. h m	aftern. h m	morn. h m	aftern. h m
1		0 0	0 13	0 37	1 13	Y 35	1 22	1 46
2	0 35	1 2	1 1	1 23	1 58	2 20	2 11	2 33
3	1 27	1 50	1 46	2 7	2 49	2 58	2 54	3 11
4	2 13	2 34	2 27	2 46	3 35	3 31	3 28	3 44
5	2 51	3 6	3 2	3 16	3 47	4 7	4 0	4 14
6	3 21	3 34	3 31	3 46	4 19	4 39	4 32	4 51
7	3 48	4 1	4 1	4 16	4 58	5 17	5 8	5 26
8	4 18	4 34	4 32	4 47	5 38	6 1	5 46	6 7
9	4 51	5 9	5 10	5 35	6 25	6 50	6 35	7 4
10	5 20	5 51	5 59	6 26	7 15	7 41	7 24	7 44
11	6 16	6 43	6 51	7 19	8 9	8 40	8 10	8 37
12	7 10	7 39	7 48	8 15	9 10	9 43	9 14	9 52
13	8 11	8 45	8 51	9 24	10 12	10 43	10 27	11 2
14	9 20	9 56	9 56	10 28	11 15	11 48	11 38	12 1
15	10 28	10 59	11 0	11 26		0 19	0 15	0 50
16	11 31		11 59		0 50	1 20	1 25	2 0
17	0 3	0 31	0 26	0 54	1 51	2 21	2 32	2 56
18	0 56	1 22	1 20	1 48	2 50	3 13	3 17	3 37
19	1 46	2 11	2 15	2 35	3 34	3 55	3 56	4 16
20	2 35	2 54	3 2	3 23	4 15	4 40	4 35	4 54
21	3 12	3 30	3 42	4 3	5 3	5 26	5 13	5 33
22	3 47	4 6	4 24	4 45	5 49	6 15	5 54	6 16
23	4 23	4 48	5 13	5 47	6 42	7 8	6 38	7 0
24	5 12	5 39	6 9	6 39	7 32	7 54	7 23	7 48
25	6 8	6 40	7 10	7 40	8 28	8 55	8 15	8 43
26	7 14	7 49	8 12	8 44	9 22	9 50	9 11	9 41
27	8 26	9 2	9 16	9 45	10 18	10 45	10 12	10 42
28	9 39	10 13	10 16	10 44	11 12	11 39	11 12	11 42
29	10 46	11 17	11 11	11 38		0 6		0 13
30	11 46			0 4	0 28	0 57	0 37	1 7
31			0 28	0 50			1 12	1 59

Subtracting

h m

For Leigh, Maes, and Gouries Gut

Gravefend, Rochester, and Rammekins

Buoy of the Nore and Flushing

Portsmouth, Ostend, Shoe-Beacon, and Red-Sand

Harwich, Dover, Spithead, and Calais

Gunfleet, Hastings, Shoreham, Orfordness, and Dieppe

Yarmouth Pier and Needle

St. Helen's and Havre-de-Grace

0 5
1 20
1 30
2 0
3 0
4 0
4 40
5 30

The Eclipses of Jupiter's

JANUARY	FEBRUARY	MARCH	APRIL
Immersion.	Immersion	Immersion	Immersion
1*17 50 30	d h m s	1 21 46 37	d h m s
3 12 18 1	2*14 10 43	3*16 15 25	2 18 27 46
5 6 45 34	4 8 38 55	5 10 44 15	4*12 56 47
7 1 13 8	6 3 7 9	7 5 13 5	6 7 25 50
8 19 40 44	7 21 35 24	8 23 41 57	8 1 54 49
10 14 8 22	9*16 3 43	10 18 10 49	9 20 23 53
12 8 35 57	11 10 32 3	12*12 39 42	11*14 52 52
14 3 3 42	13 5 0 28	14 7 8 38	13* 9 21 54
15 21 31 21	14 23 28 54	16 1 37 35	15 3 50 51
17*15 59 7	16*17 57 23	17 20 6 36	16 22 19 54
19 10 26 53	18*12 25 52	19*14 35 32	18 16 48 50
21 4 54 44	20 6 54 29	21 9 4 35	20*11 17 48
22 23 22 35	22 1 23 2	23 3 33 34	Emersions
24*17 50 29	23 19 51 42	24 22 2 37	22 7 54 45
26 12 18 26	25*14 20 20	26*16 31 36	24 2 23 41
28 6 46 27	27 8 49 6	28*11 0 40	25 20 52 33
30 1 14 29	29 3 17 49	30 5 29 40	27*15 21 27
31 19 42 35		31 23 58 44	29* 9 50 16
MAY	JUNE	JULY	AUGUST
Emersions	Emersions	Emersions	Emersions
1 4 19 8	2 0 53 55	2 2 55 42	1 3 0 54
2 22 47 52	3 19 22 20	3 21 24 2	2 23 29 41
4 17 16 42	5 13 50 48	5 15 52 26	4 17 58 30
6*11 45 25	7 8 19 6	7*10 20 52	6 12 27 21
8 6 14 10	9 2 47 30	9 4 49 12	8 6 56 10
10 0 42 55	10 21 15 47	10 23 17 38	10 1 25 8
11 19 11 34	12 15 44 10	12 17 46 9	11 19 54 4
13*13 40 15	14*10 12 26	14 12 14 35	13 14 22 58
15 8 8 52	16 4 40 45	16 6 43 6	15 8 52 1
17 2 37 30	17 23 9 5	18 1 11 39	17 3 21 0
18 21 6 3	19 17 37 24	19 19 40 13	18 21 50 0
20 15 34 39	21 12 5 40	21 14 8 46	20 16 18 3
22*10 3 9	23 6 34 3	23 8 37 28	22 10 48 9
24 4 31 42	25 1 2 23	25 3 6 3	24 5 17 13
25 23 0 10	26 19 30 40	26 21 34 44	25 23 46 22
27 17 28 40	28 13 58 58	28 16 3 23	27 18 15 26
29*11 57 5	30 8 27 21	30 10 32 11	29 12 44 36
6 25 33			31 7 13 45

first Satellite for the Year 1804.

SEPTEMBER				OCTOBER				NOVEMBER	DECEMBER			
Emersions				Emersions					Immersiones			
d	h	m	s	d	h	m	s		d	h	m	s
2	1	42	56	2	3	58	54	The eclipses of Jupiter's Satellites are not visible this Month, Jupi- ter being too near the Sun.	8	7	49	38
3	20	12	8	3	22	28	0		10	2	17	45
5	14	41	18	5	16	57	2		11	20	44	45
7	9	10	31	7	11	26	5		13	15	12	20
9	3	39	40	9	5	55	4		15	9	39	48
10	22	8	55						17	4	7	20
12	16	38	5						18	22	34	47
14	11	7	21						20	17	2	16
16	5	36	30						22	11	29	44
18	0	5	42						24	5	57	12
19	18	34	53						26	8	24	41
21	13	4	6						27*	18	52	9
23	7	33	16						29	13	19	38
25	2	2	27						31	7	47	7
26	20	31	35									
28	15	0	43									
30	9	29	51									

The Times of the Eclipses contained in this Table are adapted to the Meridian of the Royal Observatory at Greenwich, and afford an excellent Method to discover the Longitude, or Difference of Meridians, between that and any other Place; which I shall illustrate by an EXAMPLE:

Suppose on the 5th Day of September of this Year, the Time of the Immersion of Jupiter's first Satellite be observed (by a Telescope) in an unknown Meridian, to happen at 16 h. 29 min. 38 sec.; I find by the Table, that the Time of this Immersion will happen at the British Observatory, at 14 h. 41 min. 18 sec. the same day: The Difference of the Times is 1 hour 48 min. 20 sec. which being converted into Degrees and Minutes of the Equator, will make 27 deg. 5 min. the Longitude of the Place of Observation, to the East, because the Time is more than that at the British Observatory.

N. B. Those marked with an Asterisk are visible at Greenwich.
Note, also, that the times of the above eclipses are set down according to mean or clock time.

Speculum Phænomenorum

JANUARY	FEBRUARY	MARCH
3. ♂ ☾ ♀ 14h. 4. ♂ ☾ ♀ 10h. 5. ☾ in apoge 6. ♂ ☾ ♀ 17h. 7. ☾ ☉ ♀ 13½h. 11. ♂ ☾ ♀ 14½h. 13. ♂ ☾ ♀ 15h. 13. ♀ stationary 14. ♂ ☾ ♀ 4h. 20. ☉ in ☾ 16h. om. 20. ☾ in perige 21. ♀ stationary 22. ☾ elong. max. 22. ☾ in ☉ 25. ☾ ☉ ♀ 13½h. 26. ☾ eclipsed vis. 26. ☾ in perihelio 29. ♀ stationary 30. ♂ ☾ ♀ 22½h. 31. ♂ ☾ ♀ 10h.	2. ♂ ☾ ♀ 14h. 2. ☾ in apoge 6. ♂ ☉ ♀ 16½h. 9. ♂ ☾ ♀ 16h. 10. ♂ ☾ ♀ 5h. 11. ☉ eclipsed vis. 13. ♂ ☾ ♀ 6h. 14. ☾ in perige 19. ♀ stationary 19. ☉ in ☾ 6h. 46m. 21. ♀ stationary 27. ♂ ☾ ♀ 3½h. 28. ♂ ☾ ♀ 2h. 29. ♂ ☾ ♀ 22h. 29. ♀ in ☉	1. ☾ in apoge 3. ☾ elong. max. 9. ♂ ☾ ♀ 11½h. 9. ☾ ☾ ♀ 18h. 11. ☾ in ☉ 11. ☾ in aphelion 13. ☾ in perige 14. ♂ ☾ ♀ 0h. 20. ☉ in ☾ 7h. 3m. 20. ☾ ☉ ♀ 12½h. 25. ♂ ☾ ♀ 7½h. 26. ♂ ☾ ♀ 11h. 28. ♂ ☾ ♀ 2½h. 29. ☾ in apoge
APRIL	MAY	JUNE
4. ♂ ☉ ♀ 4½h. 17. ♂ ☾ ♀ 18½h. 9. ♂ ☾ ♀ 8h. 10. ☾ in perige 12. ♂ ☾ ♀ 17h. 13. ♂ in perihelio 13. ♀ in perihelio 16. ♂ ☾ ♀ 7½h. 19. ☉ in ☾ 19h. 40m. 19. ☾ in ☉ 20. ☾ ☉ ♀ 20h. 21. ♂ ☾ ♀ 9h. 22. ♂ ☾ ♀ 18h. 24. ♂ ☾ ♀ 24h. 24. ☾ in perihelio 25. ☾ in apoge	6. ♂ ☾ ♀ 18h. 9. ☾ in perige 10. ♂ ☾ ♀ 17½h. 12. ☾ ☾ ♀ 9h. 15. ☾ elong. max. 18. ♂ ☾ ♀ 13h. 20. ♂ ☾ ♀ 1½h. 20. ☉ in ☾ 20h. 9m. 21. ♂ ☾ ♀ 21½h. 22. ☾ in apoge 26. ♀ elong. max. 27. ♀ stationary 27. ☾ in ☉ 29. ♀ stationary	4. ♂ ☾ ♀ 14h. 6. ☾ in perige 7. ♂ ☾ ♀ 14h. 7. ☾ in aphelio 8. ☾ ☉ ♀ 10h. 1. 5th 10. ♂ ☾ ♀ 18h. 14. ♂ ☾ ♀ 15½h. 16. ♂ ☾ ♀ 8h. 17. ♂ ☾ ♀ 24h. 18. ☾ ☉ ♀ 4h. 18. ☾ in apoge 20. ♀ stationary 21. ♀ stationary 24. ☉ in ☾ 4h. 50m. 24. ♀ stationary 25. ☾ in ☉ 29. ♀ in ☉

ad Annum 1804.

JULY		AUGUST		SEPTEMBER	
1	☉ in aphelion	1	♂ ☉ ♂ oh.	3	♂ in aphelion
3	♂ ☉ ♂ 8h.	1	☉ in perige	5	♂ ☉ ♂ 9h.
4	☉ ☉ ☉ 13h.	3	♂ ☉ ♀ 20h.	5	♂ ☉ ♂ 21h.
4	☉ in perige	5	♂ ☉ ♀ oh.	6	♂ ☉ ☉ 17h.
5	♂ ☉ ☉ 6h.	5	♂ ☉ ♀ 18h.	7	♂ ☉ ☉ 20h.
9	♂ ☉ ☉ 6h.	5	☉ eclipsed invis.	10	☉ in apoge
12	♂ ☉ ☉ 6h.	7	♀ in aphelion	11	♂ along max.
13	♂ ☉ ☉ 15h.	8	♂ ☉ ☉ 15h.	21	☉ in perige
14	♂ ☉ ☉ 14h.	10	♂ ☉ ☉ 2h.	22	☉ in ☉ 18h. 47m.
14	stationary	11	♂ ☉ ☉ 3h.	27	♂ ☉ ☉ oh.
16	in apoge	13	☉ in apoge	29	♂ ☉ ♀ 9h.
16	in ☉	13	♂ in ☉	29	♂ ☉ ☉ 14h.
19	☉ ☉ ☉ 13h.	22	☉ in ☉ 22h. 12m.		
28	in perihelion	23	♂ in ☉		
22	☉ in ☉ 15h. 44m.	26	♀ stationary		
22	☉ eclipsed invis.	26	☉ in perige		
29	♂ ☉ ♀ 20h.	29	♂ ☉ ♂ 13h.		
		31	♂ ☉ ♀ 21h.		
OCTOBER		NOVEMBER		DECEMBER	
3	♂ ☉ ☉ 4h.	21	♂ ☉ ☉ 9h.	1	☉ in apoge
3	♂ ☉ ☉ 19h.	21	☉ in apoge	2	♂ ☉ ☉ oh.
5	♂ ☉ ☉ 20h.	24	♂ ☉ ☉ 11h.	15	☉ in perige
6	♂ ☉ ☉ 21h.	24	☉ in perige	20	♂ ☉ ☉ 2h.
7	in apoge	27	☉ in ☉	20	♂ stationary
10	♂ ☉ ☉ 4h. 1-3h.	27	☉ in ☉ 23h. 5m.	20	☉ in ☉ 18h. 27m.
12	♂ in ☉	28	♂ ☉ ☉ 10h.	24	♂ ☉ ☉ 10h.
14	♂ along max.	28	☉ in perihelion	24	♂ ☉ ☉ 16h.
15	stationary	26	♂ ☉ ☉ 14h.	27	♂ ☉ ☉ 20h.
17	in perihelion	27	♂ ☉ ☉ oh.	28	♂ ☉ ☉ 5h.
19	in ☉	27	♂ ☉ ☉ 9h.	28	☉ in apoge
20	in perige	27	♂ ☉ ☉ 21h.	30	☉ in perihelion
22	♂ along max.	30	♂ ☉ ☉ 21h.	31	☉ eclipsed invis.
27	☉ in ☉ 2h. 46m.	30	☉ in aphelion		
28	♂ ☉ ♂ 8h.				
28	♂ ☉ ♀ 21h.				
28	☉ ☉ ☉ 17h.				
30	♂ ☉ ☉ 12h.				
31	♂ ☉ ☉ 2h.				
31	♂ ☉ ☉ 14h.				

A Table of the Sun's semi-diurnal Arches, or Times

The Sun's Declination North.

Degr.	Lat. 49		Lat. 50		Lat. 51		Lat. 52		Lat. 53		Lat. 54	
	h	m	h	m	h	m	h	m	h	m	h	m
0	6	4	6	4	6	4	6	4	6	4	6	4
1	6	8	6	8	6	8	6	9	6	9	6	9
2	6	12	6	13	6	13	6	14	6	14	6	15
3	6	17	6	18	6	18	6	19	6	19	6	20
4	6	22	6	23	6	23	6	24	6	25	6	25
5	6	26	6	27	6	27	6	29	6	30	6	31
6	6	31	6	32	6	33	6	34	6	36	6	37
7	6	36	6	37	6	38	6	40	6	41	6	43
8	6	41	6	42	6	43	6	45	6	47	6	48
9	6	45	6	47	6	48	6	50	6	52	6	54
10	6	50	6	52	6	54	6	56	6	58	7	0
11	6	55	6	57	6	59	7	1	7	3	7	6
12	7	0	7	2	7	4	7	7	7	9	7	12
13	7	5	7	7	7	10	7	12	7	15	7	18
14	7	10	7	13	7	15	7	18	7	21	7	24
15	7	15	7	18	7	21	7	24	7	27	7	31
16	7	21	7	24	7	27	7	30	7	33	7	37
17	7	26	7	29	7	33	7	36	7	40	7	44
18	7	31	7	35	7	38	7	42	7	46	7	51
19	7	37	7	41	7	45	7	49	7	53	7	58
20	7	43	7	47	7	51	7	55	8	0	8	5
21	7	49	7	53	7	57	8	2	8	7	8	12
22	7	55	7	59	8	4	8	9	8	14	8	20
23	8	1	8	6	8	11	8	16	8	22	8	28
24	8	7	8	12	8	18	8	24	8	30	8	36

By these Tables the Times of the Sun's Rising and Setting may be found, in any Part of the Kingdom of Great-Britain or Ireland, after the following Manner: Where the Latitude of the Place is known, take the Sun's Declination out of the Table, on the Noon of the Day you desire to know the Time of his Rising and Setting; and with it, according as it is either North or South, enter these Tables in the Left-

of his visible half Duration above the Horizon. *

The Sun's Declination South.

Degr.	Lat. 49		Lat. 50		Lat. 51		Lat. 52		Lat. 53		Lat. 54	
	h	m	h	m	h	m	h	m	h	m	h	m
0	6	4	6	4	6	4	6	4	6	4	6	4
1	5	59	5	59	5	58	5	58	5	58	5	58
2	5	54	5	54	5	53	5	53	5	53	5	53
3	5	49	5	49	5	49	5	48	5	48	5	47
4	5	45	5	44	5	44	5	43	5	42	5	42
5	5	40	5	39	5	39	5	38	5	37	5	36
6	5	35	5	35	5	34	5	33	5	31	5	30
7	5	31	5	30	5	29	5	27	5	26	5	25
8	5	26	5	25	5	23	5	22	5	21	5	19
9	5	21	5	20	5	18	5	17	5	16	5	13
10	5	17	5	15	5	13	5	11	5	10	5	8
11	5	12	5	10	5	8	5	6	5	4	5	2
12	5	7	5	5	5	3	5	2	4	38	4	56
13	5	3	5	0	4	57	4	55	4	52	4	50
14	4	57	4	54	4	52	4	49	4	47	4	44
15	4	52	4	49	4	46	4	44	4	43	4	37
16	4	46	4	43	4	41	4	38	4	34	4	31
17	4	41	4	38	4	35	4	32	4	28	4	23
18	4	36	4	33	4	29	4	26	4	22	4	18
19	4	30	4	27	4	23	4	19	4	15	4	11
20	4	25	4	23	4	17	4	13	4	9	4	4
21	4	19	4	15	4	11	4	6	4	2	3	57
22	4	13	4	9	4	4	4	0	3	55	3	50
23	4	7	4	3	3	58	3	53	3	47	3	42
24	4	1	3	56	3	51	3	46	3	40	3	34

Left-hand Column, under the Word Degrees; then look for the Latitude of the Place in the Top of the Table; and in that Column, against the Sun's Declination, will be found the Time of his visible half Duration above the Horizon; or Time of his Setting, correct by Refraction; then subtract the Time of his Setting from 12 Hours, the Remainder will be the Time of his Rising; double the Time of his Setting, the

A Table of the Sun's Semi-diurnal Arches, or Times

The Sun's Declination North.

Degr.	Lat. 55		Lat. 56		Lat. 57		Lat. 58		Lat. 59		Lat. 60	
	h	m	h	m	h	m	h	m	h	m	h	m
0	6	4	6	4	6	4	6	4	6	4	6	4
1	6	9	6	10	6	10	6	10	6	11	6	11
2	6	15	6	16	6	16	6	17	6	17	6	18
3	6	21	6	22	6	22	6	23	6	24	6	25
4	6	27	6	28	6	29	6	30	6	31	6	32
5	6	32	6	34	6	35	6	36	6	38	6	39
6	6	38	6	40	6	41	6	43	6	44	6	46
7	6	44	6	46	6	48	6	49	6	51	6	53
8	6	50	6	52	6	54	6	56	6	58	7	1
9	6	56	6	58	7	1	7	3	7	5	7	8
10	7	2	7	5	7	7	7	10	7	13	7	16
11	7	8	7	10	7	14	7	17	7	20	7	23
12	7	15	7	18	7	21	7	24	7	27	7	31
13	7	21	7	24	7	28	7	31	7	35	7	39
14	7	28	7	31	7	35	7	39	7	43	7	47
15	7	34	7	39	7	42	7	46	7	51	7	56
16	7	41	7	45	7	49	7	54	7	59	8	4
17	7	48	7	52	7	57	8	4	8	7	8	13
18	7	55	8	0	8	5	8	10	8	16	8	22
19	8	2	8	7	8	13	8	19	8	25	8	32
20	8	10	8	15	8	21	8	28	8	35	8	42
21	8	18	8	24	8	30	8	37	8	45	8	53
22	8	26	8	32	8	39	8	47	8	55	9	4
23	8	34	8	41	8	49	8	57	9	6	9	16
24	8	43	8	51	8	59	9	8	9	18	9	29

he Sum will be the Length of the Day; and double the Time of his Rising, the Sum will be the Length of the Night. But if the Latitude of the Place, and Declination of the Sun, consist of Degrees and Minutes, then a small Allowance must be made for the Minutes in both Cases; which may be done by a Person of an ordinary Capacity by a mental Proportion only. Thus, to find the Time of the Sun's Rising and Setting

at

of his visible half Duration above the Horizon.

The Sun's Declination South.

Degr.	Lat. 55	Lat. 56	Lat. 57	Lat. 58	Lat. 59	Lat. 60
	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
0	6 4	6 4	6 4	6 4	6 4	6 4
1	5 58	5 58	5 58	5 58	5 57	5 52
2	5 52	5 52	5 52	5 51	5 51	5 50
3	5 47	5 46	5 45	5 45	5 44	5 43
4	5 41	5 40	5 39	5 38	5 37	5 36
5	5 35	5 34	5 33	5 32	5 31	5 29
6	5 29	5 28	5 27	5 25	5 25	5 23
7	5 23	5 22	5 20	5 19	5 17	5 15
8	5 17	5 16	5 14	5 12	5 10	5 8
9	5 12	5 10	5 8	5 5	5 3	5 2
10	5 5	5 3	5 1	4 59	4 56	4 53
11	4 59	4 57	4 54	4 52	4 49	4 46
12	4 53	4 51	4 48	4 45	4 42	4 38
13	4 47	4 44	4 41	4 38	4 34	4 30
14	4 41	4 37	4 34	4 30	4 27	4 23
15	4 34	4 31	4 27	4 23	4 19	4 14
16	4 27	4 24	4 20	4 15	4 11	4 6
17	4 21	4 17	4 12	4 8	4 3	3 57
18	4 14	4 9	4 5	4 0	3 54	3 48
19	4 7	4 2	3 56	3 51	3 45	3 39
20	3 59	3 54	3 49	3 43	3 36	3 29
21	3 52	3 46	3 40	3 34	3 27	3 19
22	3 44	3 38	3 31	3 24	3 17	3 9
23	3 36	3 29	3 23	3 15	3 6	2 57
24	3 27	3 20	3 13	3 5	2 55	2 45

at Aberdeen in Scotland, on the Longest Day; the Latitude of that Place, is accounted 57 Degr. 7 Min. North, and the Sun's Declination 23 Deg. 28 Min. likewise North. By these you will find by the Table, that 5 Min. for the Sun's Declination, and 1 Min. for the Latitude of the Place, are both, to be added to 8 Hours 49 Min. the Time belonging to 57 Degr. of Latitude and 23 Degr. of North Declination, and the Sun will be 3 Hours 55 Min. the Time of his apparent setting at Aberdeen, on the longest Day, whose Complement to 12 Hours, viz. 3 Hours 5 Min. will be the Time of his Rising, &c.

A Table of the Sun's Right-Ascension in Time, the greatest

Deg.	γ			δ			ι			♊			♋			♌			♍		
	h	m	s	h	m	s	h	m	s	h	m	s	h	m	s	h	m	s	h	m	s
0	0	0	0	1	51	37	3	51	15	6	0	0	8	8	45	10	8	23			
1	0	3	40	1	55	27	3	55	25	6	4	22	8	12	54	10	12	12			
2	0	7	20	1	59	17	3	59	36	6	8	43	8	17	3	10	16	0			
3	0	11	0	2	3	8	4	3	48	6	13	5	8	21	11	10	19	48			
4	0	14	41	2	6	50	4	8	0	6	17	26	8	25	19	10	23	35			
5	0	18	21	2	10	51	4	12	13	6	21	48	8	29	26	10	27	22			
6	0	22	2	2	14	44	4	16	26	6	26	9	8	33	31	10	31	8			
7	0	25	42	2	18	37	4	20	40	6	30	30	8	37	37	10	34	54			
8	0	29	23	2	22	31	4	24	55	6	34	51	8	41	41	10	38	40			
9	0	33	4	2	26	25	4	29	10	6	39	11	8	45	45	10	42	25			
10	0	36	45	2	30	20	4	33	26	6	43	31	8	49	48	10	46	9			
11	0	40	26	2	34	16	4	37	42	6	47	51	8	53	51	10	49	53			
12	0	44	8	2	38	13	4	41	59	6	52	11	8	57	52	10	53	37			
13	0	47	50	2	42	10	4	46	16	6	56	31	9	1	53	10	57	20			
14	0	51	32	2	46	8	4	50	34	7	0	50	9	5	53	11	1	3			
15	0	55	14	2	50	7	4	54	52	7	5	8	9	9	53	11	4	46			
16	0	58	5	2	54	7	4	59	10	7	9	26	9	13	52	11	8	28			
17	1	2	40	2	58	7	5	3	29	7	13	44	9	17	50	11	12	10			
18	1	6	23	3	2	8	5	7	49	7	18	1	9	21	47	11	15	52			
19	1	10	7	3	6	9	5	12	9	7	22	18	9	25	44	11	19	34			
20	1	14	51	3	10	12	5	16	29	7	26	34	9	29	40	11	23	15			
21	1	17	35	3	14	15	5	20	49	7	30	50	9	33	35	11	26	56			
22	1	21	20	3	18	19	5	25	9	7	35	5	9	37	29	11	30	37			
23	1	25	6	3	22	23	5	29	30	7	39	20	9	41	23	11	34	18			
24	1	28	52	3	26	29	5	33	51	7	43	34	9	45	16	11	37	58			
25	1	32	38	3	30	35	5	38	12	7	47	47	9	49	9	11	41	39			
26	1	36	25	3	34	41	5	42	34	7	52	0	9	53	1	11	45	19			
27	1	40	12	3	38	49	5	46	55	7	56	12	9	56	32	11	49	10			
28	1	44	0	3	42	57	5	51	17	8	0	24	10	0	45	11	52	40			
29	1	47	48	3	47	6	5	55	38	8	4	35	10	4	33	11	56	40			
30	1	51	37	3	51	15	6	0	0	8	8	45	10	8	21	11	0	0			

The time of the southing or meridian transits of the fixed stars in pa. 46, may be found thus: On the noon of the day, preceding the night in which you want to know the time of the southing of any of those stars, find the Sun's place in the Ephemeris, and with it take out of the above table his right ascension in time; this you may do by inspection to a minute, which will be sufficient for your present purpose: Then from the right-ascension of the star in pa. 46, corrected to the proposed time, by means of the numbers in the column of annual differences, subtract the right-ascension of the Sun, the remainder will be the estimate time of the star's southing, and will not differ from the true time above 2 or 3 minutes at most, which may be near enough for ordinary uses. But when great exactness is required, reduce the Sun's place to this estimate time, and with it find in the above table his right ascension to seconds, which being subtracted from that of the star, the remainder will be

Obliquity of the Ecliptic being $23^{\circ} 28'$.

Decl.	♈			♉			♊			♋			♌			♍		
	h	m	s	h	m	s	h	m	s	h	m	s	h	m	s	h	m	s
0	12	0	0	13	51	37	15	51	15	18	0	0	20	8	45	22	8	23
1	12	3	40	13	55	27	15	55	25	18	4	22	20	12	54	22	12	12
2	12	7	20	13	59	17	15	59	36	18	8	43	20	17	3	22	16	0
3	12	11	0	14	3	8	16	3	48	18	13	5	20	21	11	22	19	48
4	12	14	41	14	6	59	16	7	0	18	17	26	20	25	19	22	23	35
5	12	18	21	14	10	51	16	12	13	18	21	48	20	29	26	22	27	22
6	12	22	2	14	14	4	16	16	26	18	26	9	20	33	31	22	31	8
7	12	25	42	14	18	37	16	20	40	18	30	30	20	37	37	22	34	54
8	12	29	23	14	22	31	16	24	55	18	34	51	20	41	41	22	38	40
9	12	33	4	14	26	25	16	29	10	18	39	11	20	45	45	22	42	25
10	12	36	45	14	30	20	16	33	26	18	43	31	20	49	48	22	46	9
11	12	40	26	14	34	16	16	37	42	18	47	51	20	53	51	22	49	53
12	12	44	8	14	38	13	16	41	59	18	52	11	20	57	52	22	53	37
13	12	47	50	14	42	10	16	46	16	18	56	31	21	1	53	22	57	20
14	12	51	32	14	46	8	16	50	34	19	0	50	21	5	53	23	1	3
15	12	55	14	14	50	7	16	54	52	19	5	8	21	9	53	23	4	46
16	12	58	57	14	54	7	16	59	10	19	9	26	21	13	52	23	8	28
17	13	2	40	14	58	7	17	3	29	19	13	44	21	17	50	23	12	10
18	13	6	23	15	2	8	17	7	49	19	18	1	21	21	47	23	15	52
19	13	10	7	15	6	9	17	12	9	19	22	18	21	25	44	23	19	34
20	13	13	51	15	10	12	17	16	29	19	26	34	21	29	40	23	23	15
21	13	17	35	15	14	15	17	20	49	19	30	50	21	33	35	23	26	56
22	13	21	20	15	18	19	17	25	9	19	35	5	21	37	29	23	30	37
23	13	25	6	15	22	23	17	29	30	19	39	20	21	41	23	23	34	18
24	13	28	52	15	26	29	17	33	51	19	43	34	21	45	16	23	37	58
25	13	32	38	15	30	35	17	38	12	19	47	47	21	49	9	23	41	39
26	13	36	29	15	34	41	17	42	34	19	52	0	21	53	1	23	45	19
27	13	40	12	15	38	45	17	46	55	19	56	12	21	56	52	23	49	0
28	13	44	0	15	42	57	17	51	17	20	0	24	22	0	43	23	52	40
29	13	47	48	15	47	6	17	55	38	20	4	35	22	4	33	23	56	20
30	13	51	37	15	51	15	18	0	0	20	8	45	22	8	23	24	0	0

the true time of the star's culmination or southing. And if from the time of the star's southing you subtract the semidurnal arc belonging to it, the remainder will be the time of the star's rising; and being added to it, the sum will be the time of its setting.

Annexed is an Ex. of Sirius for Jan. 31, 1804.

☉'s place at noon	$10^{\circ} 30'$	h m
Rt. Asc. of Sirius	-	6 36 3
☉'s rt. asc. subtract	-	20 51 5
*'s estimate southing	-	9 44 4
☉'s rt. asc. at that time sub.	-	20 53 3
*'s true southing	-	9 42 5
Semid. arc sub. & add	-	4 36 5
*'s rising aftern.	-	5 6
*'s setting	-	14 19 5

A Table of the mean Right-Ascensions in time, and Declinations, and the Annual Difference; also the Semidiurnal-Arcs, and Magnitudes, of 2 remarkable fixed Stars, with their Names, and Bayer's Literal Character for January 1, 1800.

Names of the Stars	Ch.	Rt. Asc.	A. Di.	Declination	A. Diff.	Semid. Arc.
		h m s	sec.	° ' "	seconds	h m s
Polestar, Alruccabah	α	0 52 2	12.53	88 14 25 n	+19.6	sets not
Andro gird. Mirach	β	0 58 34	3.30	34 33 29 n	+19.4	18 7 32
Andro foot, Almach	γ	1 51 41	3.62	41 21 50 n	+17.7	sets not
Ram's follow, horn	α	1 55 55	3.34	22 30 47 n	+17.5	8 9 35
Whale's ja. Menkar	α	2 51 50	3.12	3 18 8 n	+15.2	6 19 48
Medusa's head, Algol	β	2 55 12	3.85	40 10 29 n	+14.5	sets not
Pegasus' ft. Algemir	α	3 10 7	4.20	49 8 15 n	+13.6	sets not
Brightest of the 7 ft.	α	3 35 37	3.54	23 28 36 n	+11.9	8 16 40
Bull's eye, Aldebar	α	4 24 27	3.42	16 5 43 n	+8.0	7 28 51
Auriga's ft. Capella	α	5 1 56	4.41	45 46 40 n	+4.5	sets not
Orion's L. foot, Rigel	β	5 4 56	2.87	8 26 24 n	-5.1	5 20 28
Bull's north horn	β	5 13 40	3.78	28 25 37 n	+4.1	8 57 12
Orion's ft. Bellat.	γ	5 14 25	3.21	6 9 21 n	+4.0	6 34 41
Orion's girdle	δ	5 26 4	3.04	1 20 27 s	-3.0	5 56 42
Orion's ft. Bételg.	α	5 44 21	3.24	7 21 41 n	+1.7	6 40 58
Great Dog, Sirius	α	6 36 26	2.65	16 27 2 s	+4.4	4 36 55
1st Twin, Castor	α	7 21 49	3.86	32 18 59 n	-6.8	9 38 21
Little Dog, Procyon	α	7 28 49	3.14	5 43 45 n	-8.7	6 32 50
2d Twin, Pollux	β	7 33 3	3.69	28 29 59 n	-7.6	8 58 13
Hydra's heart, Alp.	α	9 17 45	2.94	7 46 46 s	+14.8	5 24 20
Lion's heart, Regu.	α	9 57 42	3.20	12 56 29 n	-16.9	7 11 28
Gr. Bear, L. Pointer	β	10 49 40	3.71	57 27 3 n	-19.1	sets not
Gr. Bear, U. Pointer	α	10 51 16	3.85	62 49 45 n	-19.1	sets not
Lion's tail, Deneb	β	11 38 50	3.06	15 41 36 n	-19.8	7 27 18
G. Bear's tail, Aliath	α	12 45 13	2.75	57 2 57 n	-19.7	sets not
Virgins' spike	α	13 14 40	3.14	10 6 37 s	+18.8	5 12 20
Dragon's tail	α	13 58 59	1.63	65 20 8 n	-17.4	sets not
Bootes, Arcturus	α	14 6 32	2.72	20 13 43 n	-19.1	7 55 26
Libra, South. Scale	α	14 39 39	3.30	15 11 54 s	+15.3	4 44 23
Libra, North. Scale	β	15 6 16	3.22	8 38 3 s	+13.8	5 19 57
North Crown	α	15 25 58	2.53	27 23 58 n	-12.3	8 48 36
Scor. heart, Antares	α	16 17 10	3.65	25 58 21 s	+8.6	3 34 61
Her. head, R. Alget.	α	17 5 32	2.73	14 37 48 n	-4.7	7 20 41
Head of Serpentarius	α	17 25 39	2.77	12 43 9 n	-3.0	7 9 50
Drag. head, Rastaban	γ	17 51 58	1.39	51 31 5 n	-0.7	sets not
The Harp, Lyra	α	18 30 10	1.99	38 36 26 n	+3.1	sets not
The Eagle, Atair	α	19 41 1	2.92	8 21 11 n	+9.1	6 45 59
3. Fish, Fomalhaut	α	22 46 34	3.33	36 40 31 s	-13.1	2 58 16
Pegasus' w. Markab	α	22 54 48	2.96	14 7 56 n	+19.7	7 17 10
Andromeda's head	α	23 58 4	3.07	27 59 34 n	+20.8	8 52 19

A Table of the Longitudes, Latitudes, and Magnitudes of the most remarkable fixed Stars that the Moon can Eclipse, or make a near Appulse unto exactly rectified to the beginning of the year 1800.

Con.	Cha.	Long.	Lat.	Magn.	Con.	Cha.	Long.	Lat.
1	♈	11 21 34	0 9 44 n	4	1	♈	12 17 52	0 21 48 n
2	♈	14 44 33	1 5 37 n	4	2	♈	18 13 0	1 49 14 s
3	♈	17 4 48	0 13 11 s	4	3	♈	22 20 32	4 24 41 n
4	♈	8 12 3 7	1 48 7 n	4	4	♈	24 34 56	4 2 52 n
5	♈	27 12 7	4 1 36 n	3	5	♈	24 58 10	0 1 1 n
6	♈	11 3 0 23	5 45 39 s	3	6	♈	27 4 35	3 29 24 n
7	♈	5 49 0	2 35 37 s	3	7	♈	27 41 9	0 6 53 n
8	♈	6 59 43	5 12 9 s	1	8	♈	29 46 51	1 57 17 s
9	♈	19 47 0	5 21 59 n	2	9	♈	0 8 58	5 26 14 s
10	♈	22 59 38	2 13 29 s	3	10	♈	0 23 56	1 2 18 n
11	♈	25 0 39 0	0 58 4 s	4	11	♈	1 51 13	1 39 52 n
12	♈	2 30 25	0 50 34 s	3	12	♈	5 0 36	1 0 23 s
13	♈	5 18 43	6 46 11 s	2	13	♈	6 58 21	4 32 17 s
14	♈	7 8 53	2 2 28 n	3	14	♈	8 40 3	6 5 21 s
15	♈	15 43 52	0 12 19 s	3	15	♈	28 28 26	6 56 48 s
16	♈	20 27 57	6 40 4 s	1	16	♈	0 25 21	2 22 24 n
17	♈	4 15 14	3 19 22 n	4	17	♈	3 31 54	2 5 31 s
18	♈	5 55 32	0 4 13 s	4	18	♈	7 33 11	5 55 22 s
19	♈	18 31 46	3 8 57 s	4	19	♈	9 35 40	3 24 55 s
20	♈	21 28 1	3 46 1 s	4	20	♈	12 2 55	5 2 33 s
21	♈	25 6 46	4 51 9 n	4	21	♈	12 11 59	0 53 36 n
22	♈	27 3 12	0 27 27 n	1	22	♈	13 27 44	1 18 7 n
23	♈	3 33 48	0 8 29 n	4	23	♈	1 15 18	4 36 46 n
24	♈	18 43 10	0 31 21 s	4	24	♈	17 24 23	4 57 31 s
25	♈	22 14 55	3 2 51 s	4	25	♈	18 59 16	2 32 6 s
26	♈	24 19 10	0 41 36 n	3	26	♈	20 44 28	2 33 40 s
27	♈	0 34 33	5 4 42 n	3	27	♈	23 55 40	2 13 47 s
28	♈	2 2 39	1 22 24 n	3	28	♈	0 28 5	2 43 22 n
29	♈	7 23 4	2 48 57 n	3	29	♈	8 47 6	0 22 57 s
30	♈	21 3 13	2 2 11 s	1	30	♈	14 20 58	1 2 8 s

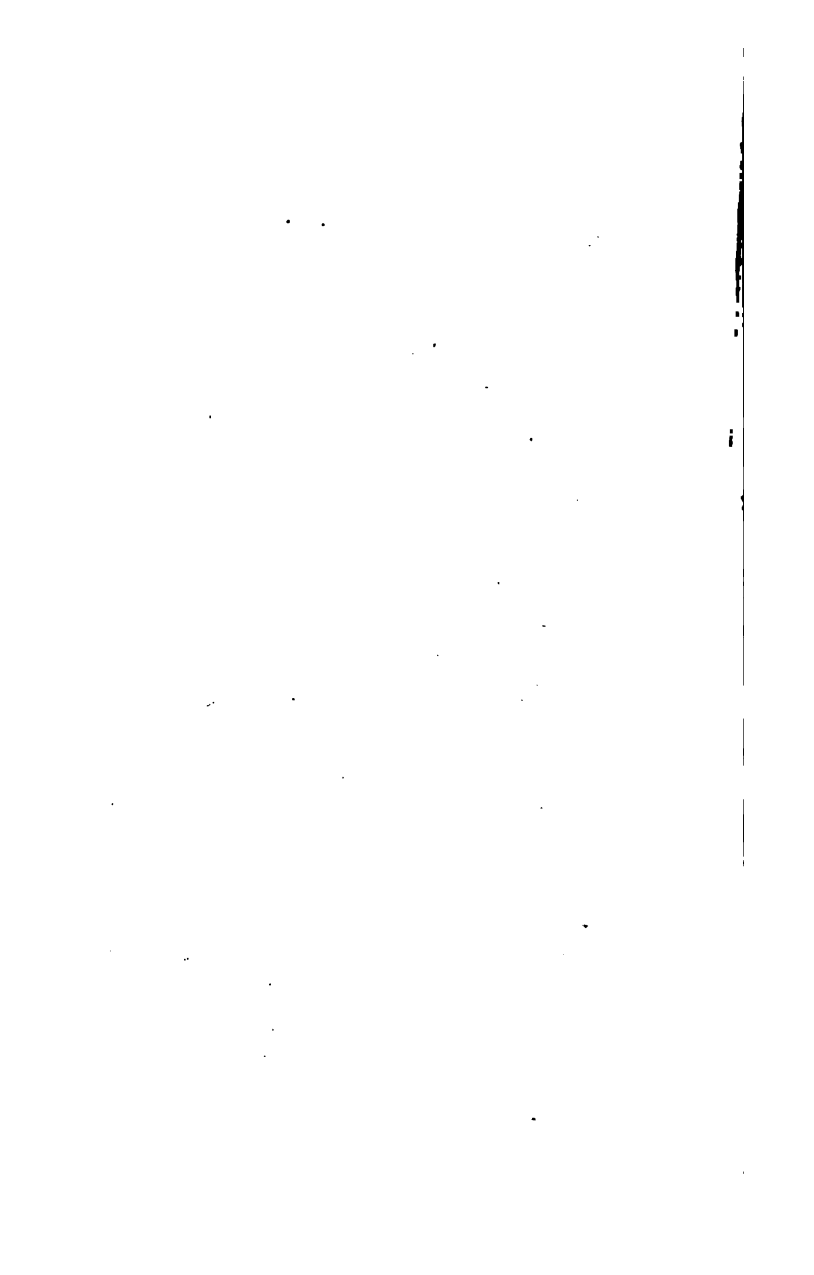
This table shewing the mean longitudes of 60 stars to the beginning of year 1800, their mean longitudes for any other time may be found if 50 seconds be added for each succeeding, and subtracted for each preceding year and proportionably for a part of a year. Thus, to find the longitude of first star ♈, or ♈ piscium, for Feb. 15, 1802, or 2 years and one eighth after the tabular time; here $2\frac{1}{8}$ times 50 sec. make $1^{\circ} 47''$, which added to the tabular longitude, gives $11^{\circ} 23' 21''$ for the longitude required at the proposed time. — The latitudes vary not.

The Latitudes and Longitudes of Ninety remarkable Places.

	Lat.	Long.		Lat.	
Alexandria, Egypt	31 11 n	30 17 e	Isfahan	32 25 n	52
Amsterdam, Hol.	52 23 n	4 52 e	Land's end	50 6 n	5
Archangel, Ruf.	64 34 n	38 30 e	Leghorn	43 33 n	10
Athens	37 40 n	23 52 e	Leontoff	52 38 n	1
Babelmandel	12 50 n	43 50 e	Liverpool	53 22 n	3
Batavia	6 12 s	106 45 e	Lima	12 2 s	76
Bengal	22 0 n	92 45 e	Lisbon	38 42 n	9
Berlin	52 33 n	13 26 e	Lizard	49 57 n	5
Bombay Isle	19 42 n	73 3 e	London	51 31 n	0
Boston, Amer.	42 25 n	70 37 w	Madras	13 8 n	80
Breslau	51 3 n	17 13 e	Madrid	40 25 n	34
Brest	48 23 n	4 30 w	Manilla	14 30 n	120 2
Bristol	51 28 n	2 30 w	Marseilles	43 18 n	52
Buenos Ayrea	34 35 s	58 0 w	Mexico	19 54 n	100
Cadiz	36 31 n	6 7 w	Mississipi, mouth	29 0 n	89 17
Calais	50 58 n	1 51 e	Moscow	55 25 n	37 51
Cairo, Egypt	30 2 n	31 26 e	Naples	40 51 n	14 19
Cambridge	52 13 n	0 4 e	Newcastle	55 0 n	1 18
Canaria Islands	28 1 n	15 0 w	Oporto	40 53 n	8 35
Canton	23 8 n	113 2 e	Orkney I. northend	59 24 n	3 23
Cape of Goodhope	34 29 s	18 23 e	Oxford	51 45 n	1 16
Cape Horn	55 59 s	67 26 w	Paris	48 50 n	2 25
Carthegena	10 27 n	75 26 w	Peking	39 55 n	116 22
Charles Town Am.	33 22 n	79 50 w	Petersburg	59 56 n	30 19
Constantinople	41 0 n	28 53 e	Philadelphia	39 57 n	75 18
Copenhagen	55 41 n	12 50 e	Plymouth	50 24 n	4 15
Corinth	37 30 n	23 0 e	Port Mahon	39 51 n	3 55
Corke	51 54 n	8 30 w	Port Royal, Jam.	17 40 n	76 37
Dantzic	54 22 n	18 36 e	Portsmouth	50 48 n	1 17
Dover	51 7 n	1 19 e	Prague	50 5 n	14 15
Dublin	53 20 n	6 55 w	Quebec	46 55 n	71 12
Edinburgh	55 58 n	3 1 w	Rome	41 54 n	12 32
Ferro, Isle	27 43 n	18 6 w	Scilly Isles	50 0 n	6 45
Finisfearc, Cape	42 57 n	9 36 w	Smyrna	38 28 n	27 25
Genoa	44 25 n	8 41 e	Stockholm	59 22 n	18 12
Gibraltar	36 5 n	4 46 w	Syracuse	37 4 n	15 20
Glasgow	55 52 n	4 5 w	Tangier	35 55 n	5 45
Goa	15 31 n	73 50 e	Teneriff	28 16 n	16 32
Gottingen	51 32 n	9 58 e	Tunis	36 47 n	10 16
Greenwich	51 29 n	0 5 e	Turin	45 5 n	7 45
Hacluit's Head.	79 55 n	12 0 e	Venice	45 27 n	12 24
Halifax, America	44 46 n	63 20 w	Verd, Cape	14 47 n	17 28
Havana	23 12 n	81 11 w	Vienna	48 11 n	16 28
Helena, I. St.	15 55 s	5 49 w	Upsal	59 52 n	17 43
Jerusalem	31 50 n	35 25 e	Uraniberg	55 54 n	12 52

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1. The first part of the document is a list of names and titles, including the names of the authors and the titles of the works. This list is organized in a table format with three columns: the first column contains the names of the authors, the second column contains the titles of the works, and the third column contains the names of the publishers or printers. The list is organized alphabetically by the author's name.







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the 1990s, the number of people in the UK who are aged 65 and over has increased by 1.5 million, and the number of people aged 75 and over has increased by 1 million (Office for National Statistics 1999).

There is a growing awareness of the need to address the needs of older people, and the importance of the role of the family in supporting older people. The Department of Health (1999) has published a strategy for older people, which sets out the government's commitment to improve the lives of older people, and to ensure that they are able to live independently and actively in their communities.

The strategy is based on the following principles: (1) older people should be able to live independently and actively in their communities; (2) older people should be able to access the services and support they need; (3) older people should be able to participate in the decisions that affect their lives; and (4) older people should be able to live in a safe and secure environment.

The strategy is a key document in the development of policy for older people, and it is important that it is implemented effectively. This paper will discuss the role of the family in supporting older people, and the importance of the role of the family in implementing the strategy.

The paper will first discuss the role of the family in supporting older people, and then discuss the importance of the role of the family in implementing the strategy. The paper will then discuss the challenges that the family faces in supporting older people, and the importance of the role of the family in addressing these challenges.

The paper will then discuss the importance of the role of the family in implementing the strategy, and the importance of the role of the family in addressing the challenges that the family faces. The paper will then discuss the importance of the role of the family in implementing the strategy, and the importance of the role of the family in addressing the challenges that the family faces.

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